

**COMPLIANCE REPORT
TO
THE CONDITIONS
OF

ENVIRONMENTAL CLEARANCE ORDER
NO: 946/SEIAA/EC1/4152/2015
DT. 16 – 08 – 2017
BY
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR
PROPOSED QUARRY PROJECT

AT

SURVEY NO. 59/2. KARIAVATTOM VILLAGE, VETTATHOOR
PANCHAYAT, PERINTHALMANNA TALUK, MALAPPURAM DISTRICT,
KERALA

BY
POABSON GRANITE PRODUCTS PRIVATE LIMITED
KUTTOOR P.O., THIRUVALLA PATHANAMTHITTA - 689016

(April, 2020 – September, 2020)**

INTRODUCTION

M/s Poabson Granite Products Pvt. Ltd. is a stone quarry situated at Survey No. 59/2, Kariavattom Village Vettathur Panchayat – Perinthalmanna Taluk, Malappuram District, Kerala. The quarry project has accorded with the environmental clearance by state Environmental Impact Assessment Authority on 16-08-2017. Six monthly compliance reports to the conditions of the environmental clearance are to be submitted as part of compliance. The compliance report to the specific and general conditions of the environmental clearance for the period of April, 2020 – September, 2020 is being submitted.

PART A – SPECIFIC CONDITIONS

➤ Condition 1

If any plant species endemic to Western Ghats are noticed in the area, they shall be properly protected in situ or by transplanting to an appropriate location inside the lease area.

✓ Compliance

The majority of the land areas covering under the present EC are already under mining activities. Thus the loss of endemic plant species is very negligible. Moreover, the Company properly protecting the plant species in situ those are endemic to Western Ghats or by transplanting to an appropriate location. Company also maintains a plant Nursery for the native plants including the endemic species for plantation purposes.

PART B – GENERAL CONDITIONS

➤ Condition 1

Rainwater harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR unless otherwise specified.

✓ Compliance

In connection with the present quarrying project, a excavated pit is using as rainwater storage system having the capacity of 12000000

liters. Photograph showing the same is enclosed as Annexure 1. Details of the rainwater harvesting system are as follows.

Sl. No.	Type	Length (m)	Width (m)	Height (m)	Capacity (L)
1	Excavated mine pit	50	40	6	12000000

➤ **Condition 2**

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

✓ **Compliance**

Environmental monitoring cell was formed with Mr. K.A Abraham (Managing Director of the Company) as head. Meeting of the monitoring cell has been arranging periodically since the starting of the project and discussing 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. K.A Abraham
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. Raghu
6	Name of the officer Environment, Health and safety at site.	Mr. Mathew

7	Name of the environmental consultant	M/s Environmental Engineers & Consultants Pvt. Ltd.
8	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, including approach road and internal roads.

✓ **Compliance**

Sides of the tarred roads and open parking areas are almost covered by natural vegetation and the vacant spaces including the sides of approach road and other places near to the project area has planted with tree saplings. The photographs showing the same are attached as Annexure No.2.

➤ **Condition 4**

Maximum possible solar energy generation and utilization shall done at the own cost of the project proponent.

✓ **Compliance**

Concerning the current quarrying project, the Company has incorporating solar devices for energy generation and utilization. A total of ten solar lights has erected along the road sides, magazine area, office area, crusher units etc. A solar heater has provided in the canteen and is used for water boiling. Photographs showing solar energy devices are given in Annexure 3.

➤ **Condition 5**

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

✓ **Compliance**

Approach road, road system within project site and other connected roads has been watering daily during summer seasons by sprinkler

system installed in tipper lorry since the starting of the project. Company has installed fixed water sprinkling systems in the crushing units for the suppression of the dust generated during Crushing & Screening operation. Dust emissions during drilling process are reducing by wet sack. Photographs showing sprinkler system installed in the crusher unit and tipper lorry is enclosed as Annexure 4.

➤ **Condition 6**

Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.

✓ **Compliance**

Eco-restoration including the mine closure plan will be perform at Company own cost. After the closing of the mine, 10% of the excavated pit area will be maintained as water storage area. It is proposes to develop a green belt in the remaining area after reclaimed with stacked dumping and overburden. As part of the same, we have stored the top soil and overburden in a prefixed area.

➤ **Condition 7**

At least 10 percent out of the total excavated pit area should be retained as water storage area and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C.

✓ **Compliance**

We will preserve ten percent of the mined out area as water storage area after the closure of the mine. We will also develop a green belt in the left over area with indigenous plant species after reclaimed with stacked dumping and overburden. Grass and Shrub species with strong root system will be plant in the areas prone to erosion especially at the foot of the hill.

➤ **Condition 8**

Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.

✓ **Compliance**

Concerning the Corporate Social Responsibility, the amount agreed by the company has been spending for a range of social activities. The Major CSR activities includes Public road maintenance, materials supply for construction works, marriage support, donation to socio cultural activities, medical aid, education aid etc.

➤ **Condition 9**

The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.

✓ **Compliance**

Barbed metal wire fencing has installed around the mining area with a height of 4 ft to prevent falling of animals/human/belongings/dumping of garbage's etc. All the boundary indicators (boards, stores, markings, etc.) are protecting. The photograph showing the same is attached as Annexure No.5

➤ **Condition 10**

Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulation of Explosive Department.

✓ **Compliance**

We fixed our blasting time and are between 1.0pm and 2.0pm. Moreover warning alarm has installed in the project area and maintaining properly. A danger board indicating blasting time has also installed in the project site.

➤ **Condition 11**

Control 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.

Blast vibrations and control measures

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ Non Electric Detonators (NONEL) are using for blasting activities.
- ❖ 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 12**

Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.

✓ **Compliance**

We are carrying our Quarrying activities only during day time.

➤ **Condition 13**

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

✓ **Compliance**

Blasting

- ❖ **Non electric Detonators (NONEL) are using for 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 has 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 14**

A licensed person should supervise/ control the blasting operations.

✓ **Compliance**

Licensed persons are supervising/controlling the blasting operations. Certificate of the licensed person is attached in Annexure 6.

➤ **Condition 15**

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

✓ **Compliance**

Entree road to the mine has tarred and maintaining well to contain dust emissions that may arise during transportation of materials. The photographs showing the same is given in Annexure 7.

➤ **Condition 16**

Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific condition.

✓ **Compliance**

The overburden and top soil is storing in an earmarked location for the reclamation of mine pit as stated in mine closure plan/specific condition. Overburden/topsoil dumps has appropriately protected by applying geotextiles, plantation, making trenches/footwalls etc. Photograph showing the Overburden/topsoil dump is attached as Annexure 8.

➤ **Condition 17**

Height of the benches should not exceed 5m, and width should not be less than 5m, if there is no mention in the mining plan/ specific condition.

✓ **Compliance**

Quarrying operation is performing in the form of benches. The agreed height and width of the benches are maintaining. The photograph showing the bench type mining is enclosed as Annexure 9.

➤ **Condition 18**

Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.

✓ **Compliance**

Mats to prevent fly rock during blasting are provided at the site. We are also practicing several safety measures to prevent fly rocks cross the lease area. It includes: maintain optimum delay sequence and stem to column ratio to minimize the fly rock distance, blasting during unfavorable weather conditions has avoided etc.

➤ **Condition 19**

Maximum depth of mining from general ground level at site shall not exceed 10 m.

✓ **Compliance**

Mining depth will not exceed beyond 10m from general ground level.

➤ **Condition 20**

No mining operation should be carried out at places having a slope greater than 45°.

✓ **Compliance**

Mining operations are not carrying out at regions having a slope greater than 45°.

➤ **Condition 21**

Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick

envelop for crushers, so that the noise level is kept within prescribed standards given by CPCB/KSPCB.

✓ **Compliance**

Whole project site has covered by thick green belt and this will reduce the sound amplifications produced during quarrying activities. We are limiting the noise levels within the prescribed standards given by CPCB/KSPCB.

➤ **Condition 22**

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

✓ **Compliance**

Employees are provided with personal protective devices such as safety boots, earmuffs, ear plugs, helmet etc.

➤ **Condition 23**

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

✓ **Compliance**

Storm water from the entire project area is channelizing in to a mined out pit and stored the storm water in it. During this storage all the debris/slit in the storm water will be sedimented in to the bottom of the pit. Overflow from the storm water pit are opens to drainage systems with silt traps. Sediments from the Storm water pit are removed periodically. Photographs showing the same are attached as Annexure 10.

➤ **Condition 24**

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

✓ **Compliance**

Trucks are covered with tarpaulin sheets after loading to control the dust emissions during transportation. In addition, trucks are not overloading and the loads are maintained to the body level.

➤ **Condition 25**

The proponent should plant at least 5 times of the loss that has been occurred while clearing the land for the project.

✓ **Compliance**

The loss of vegetation is very negligible since most of the land area covering under the present EC are already under mining activities. We are planting tree saplings 5 times of the loss that has been occurred while clearing the land for the project.

➤ **Condition 26**

Disposal of spend oil from diesel engines should be as specified under relevant rules/regulations.

✓ **Compliance**

We are carrying out the disposal of spent oil from diesel engines under relevant rules/regulations.

➤ **Condition 27**

Explosive should be stored in magazines in isolated place specified and approved by the Explosive Department.

✓ **Compliance**

Explosives are storing in magazines built in an isolated place specified and approved by the Explosives Department. Photograph showing the same is attached as Annexure 11.

➤ **Condition 28**

A minimum distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.

✓ **Compliance**

Distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures has provided.

➤ **Condition 29**

100 m buffer distance should be maintained from forest boundaries.

✓ **Compliance**

Distance criteria as per SEIAA from the boundary of the quarry to the nearest forest has provided.

➤ **Condition 30**

Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.

✓ **Compliance**

Consent from Kerala State Pollution Control Board under Water and Air Act(s) has obtained. Consent Order from Kerala State Pollution Control Board is attached as Annexure 12.

➤ **Condition 31**

All other statutory clearances should be obtained as applicable by project proponents from the respective competent authorities including that blasting and storage of explosives.

✓ **Compliance**

All other statutory approvals required for the quarrying activity has obtained for the project. The details regarding the same along with the copy of the statutory approvals are enclosed as Annexure 8 and 9. Details of statutory approvals are given below.

Sl. No.	Annexure	Statutory approvals
1	13	License from Panchayat
2	14	License to possess: (c) for use, explosives of class1, 2, 3,

		4, 5, 6 or 7.
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➤ **Condition 32**

In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts are assessed, based on which only the E.C. is issued, the project would require a fresh appraisal by this Authority for which the proponent shall apply and get the approval of this authority.

✓ **Compliance**

We agreed

➤ **Condition 33**

The Authority reserves the right to add additional safeguard measures subsequently if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

✓ **Compliance**

We agreed

➤ **Condition 34**

The stipulation by the statutory authorities under different acts and notifications should be complied with including the 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**

The stipulation by the statutory authorities under different acts and notifications are complying including the 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.

➤ **Condition 35**

The project Proponent should advertise in at least two local newspapers widely circulated in the region one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environmental Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaa.kerala.org. The advertisement should be made within 10 days from the date of receipt of the clearance letter and the copy of the same signed in all pages should be forwarded to the office of the Authority as confirmation.

✓ **Compliance**

Regarding the accordance of environmental clearance to the quarrying activity has 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 15 & 16. Details of the newspaper advertisements are given below.

Sl. No.	Annexure	Name of the Newspaper and edition	Dated
1	15	New Indian Express	27/08/2017
2	16	Mathrubhumi	27/08/2017

➤ **Condition 36**

A copy of the clearance letter shall be send 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

Environmental Clearance shall also be put on the website of the company by the proponent.

✓ **Compliance**

A copy of the environmental clearance order was submitted to the Panchayat office. The acknowledgement received is provided at Annexure 17. There is no suggestion/representation received so far from anybody. The environmental clearance order is uploaded in the website of the company and can be seen in the website www.msand.in

➤ **Condition 37**

The proponent shall submit half yearly reports on the status of compliance of the stipulated E.C. conditions including results of monitored data (both in hard copies as well as by e- mail) and upload the status of compliance of the stipulated E.C. conditions, including result of monitored data on website and shall update the same periodically. It shall simultaneously be send to the respective Regional office, of MOEF, Govt. of India and also to the State Environmental Impact Assessment Authority (SEIAA) office.

✓ **Compliance**

Sixth compliance report is being submitted to SEIAA, Department of Environment and Climate change, Govt. of Kerala and Regional Office of MoEF, Govt. of India.

➤ **Condition 38**

The details of environmental clearance should be prominently displayed in a metallic board of 3ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry visible to the public.

✓ **Compliance**

Details 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 has installed.

➤ **Condition 39**

The proponent should provide notarized affidavit (indicating the number and date of environmental clearance proceedings) that all the conditions stipulated in the E.C. shall be scrupulously followed.

✓ **Compliance**

An affidavit stating that all the conditions stipulated in the Environmental clearance will be scrupulously followed has submitted to Department of Environment and climate change and the copy of the same is attached at Annexure 18.

➤ **Condition 40**

No change in mining technology and scope of work should be made without prior approval of the SEIAA, No further expansion or modifications in the mines shall be carried out without prior approval of the SEIAA, as applicable.

✓ **Compliance**

We will not make any change in mining technology and scope of work without prior approval of the SEIAA and further expansion or modifications in the mines will not be carried out without prior approval of the SEIAA.

➤ **Condition 41**

The project proponent shall ensure that no natural water course and/or water recourses shall be obstructed due to any mining operations. Necessary safe guard measures to protect the first order streams if any, originated from the mine lease shall be taken.

✓ **Compliance**

We ensure that no natural water course and/or water recourses has not obstructed due to any mining operations. There is no first order streams originated from the mine lease.

➤ **Condition 42**

Monitoring of Ambient Air Quality to be carried out based on the notification 2009, as amended from the time to time by the Central Pollution Control

Board. Water sprinkling should be increased at places loading and unloading points and transfer points to reduce fugitive emission.

✓ **Compliance**

Water sprinklers have installed at places via loading and unloading points and transfer points to reduce fugitive emission. The Company carrying out monitoring of Ambient Air Quality based on the notification 2009, as amended from the time to time by the Central Pollution Control Board.

➤ **Condition 43**

The top soil, if any, shall be temporarily be stored at earmarked site(s) only for the top soil shall be used for land reclamation and plantation. The overburden generated during the mining operation shall be stacked at earmarked dump site(s) only. The maximum height of the dump shall not exceed 8m and width 20m and overall slope of the dump shall be maintained to 45°. The O.B. dump should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for the stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated area should continue until the vegetation become self-sustaining.

✓ **Compliance**

For dumping the overburden generated during the mining operation, we fixed an area. The maximum height of the dump will not exceed 8m and width 20m and overall slope of the dump will be maintained to 45°. The O.B. dump is scientifically stabilizing by geotextile and suitable native plant species to prevent erosion and surface run off. The entire excavated area will be backfilled. We will monitor and manage the rehabilitated area until the vegetation become self-sustaining.

➤ **Condition 44**

Catch drains and siltation ponds of appropriate site shall be constructed around the mine working mineral and O.B. dumps to prevent runoff water and

flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.

✓ **Compliance**

Siltation ponds and catch drains at suitable site has constructed around the mine working, mineral and O.B. dumps to prevent runoff water and flow of sediments directly into the river and other water bodies. The water so collected are using for watering the mine area, roads, green belt development etc. The catch drains are regularly desilted particularly after monsoon and maintained properly.

➤ **Condition 45**

Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas porn to air pollution and having high levels of PM₁₀ and PM₂₅ such as haul road loading and uploading points and transfer points. It shall be ensure that the Ambient Air Quality Parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

✓ **Compliance**

Efficient safe guard measures such as regular water sprinkling are carrying out in critical areas porn to air pollution and having high levels of PM₁₀ and PM₂₅ such as haul road loading and uploading points and transfer points. It is ensuring that the Ambient Air Quality Parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

➤ **Condition 46**

Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading at transfer points. Should be provided and properly maintained.

✓ **Compliance**

Fugitive dust emission from all the sources are controlling regularly. Water spraying arrangements on haul roads, loading and unloading at transfer points has arranged and properly maintained.

➤ **Condition 47**

Measures should be taken for the control of Noise level below 85 DBA in the work environment.

✓ **Compliance**

Diverse measures are taking for the control of noise level below 85 DBA in the work environment. We are also checking the Ambient Sound level periodically.

➤ **Condition 48**

A separate Environment Management Cell with suitable qualified personal should be setup under the control of a senior executive who will directly report to the head of the organization.

✓ **Compliance**

A separate Environment Management Cell with suitable qualified personal has formed under the control of a senior executive who will directly report to the head of the organization.

➤ **Condition 49**

The funds earmarked for the Environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environmental Impact Assessment Authority (SEIAA) office.

✓ **Compliance**

The funds earmarked for the Environmental protection measures and CSR activities are not diverting for other purpose. We will reports year wise expenditure to the State Environmental Impact Assessment Authority (SEIAA) office.

➤ **Condition 50**

The regional office of MOEF and CC located at Bangalore shall monitor compliance of the stipulated conditions. The project Authorities should extent full co-operation to the officer (s) of the regional office by furnishing the requisite data/information/monitoring reports.

✓ **Compliance**

The Company will extent full co-operation to the MOEF officer (s) of the regional office by furnishing the requisite data/information/monitoring reports.

➤ **Condition 51**

Any appeal against the Environmental Clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

✓ **Compliance**

There is no appeal against this Environmental Clearance with the National Green Tribunal.

➤ **Condition 52**

Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in the withdrawal of this clearance and attract action under the provision of Environmental Protection Act, 1986.

✓ **Compliance**

We agreed

➤ **Condition 53**

The SEIAA may revoke, or suspend the order for non-implementation of any of the specific or this implementation of any of the conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further conditions or stipulate any further conditions in the interest of Environmental Protection.

✓ **Compliance**

We agreed

➤ **Condition 54**

The above conditions shall prevail notwithstanding anything to the contrary in consistent or simplified, contained in any other permit, license or consent given by any other authority for any other project.

✓ **Compliance**

We agreed

➤ **Condition 55**

The order is valid for a period of 5 years or the expiry date of mining lease period issued by the Government of Kerala, whichever is earlier.

✓ **Compliance**

We agreed

➤ **Condition 56**

The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.

✓ **Compliance**

There is no pending litigation related to the land or project, in any court of law regarding this project.

➤ **Condition 57**

The mining operation shall restrict to above ground water table and it should not intersect ground water table.

✓ **Compliance**

We are carrying out mining activity only above the ground water table and it will not intersect ground water table.

➤ **Condition 58**

All vehicles used for transportation and within the mine shall have 'PUC' certificate from authorized pollution taking center. Washing of all vehicles shall be in the lease area.

✓ **Compliance**

All vehicles using for the transportation within the mine have obtained 'PUC' certificate from authorized pollution taking center. All the vehicles will be washed within in the lease area only.

➤ **Condition 59**

Project proponent should obtain necessary prior permission of the competent authorities for withdrawal of requisite quantity of surface water and ground water for the project.

✓ **Compliance**

For the current project we are using harvested rainwater for all domestic and industrial purposes. We will obtain necessary prior permission of the competent authorities for the withdrawal of surface water and ground water for the project when we start uses the same.

➤ **Condition 60**

Regular monitoring of flow rates and water quality upstream and down streams of the spring and perennial nallahs flowing in and around the mining lease area shall be carried out and reported in the six monthly reports to the SEIAA.

✓ **Compliance**

There is no spring and perennial nallahs flowing in and around the mining lease.

➤ **Condition 61**

Occupational Health surveillance programme of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures if needed.

✓ **Compliance**

The Company carrying out Occupational Health surveillance program of our workers periodically to observe any contractions due to exposure to dust and take corrective measures if needed in connection with Mines Vocational Training.

ANNEXURE 1



Photograph showing abandoned Mined out pit using as rainwater storage system

ANNEXURE 2



Photographs showing tree planted around parking areas and road sides

ANNEXURE 3



Photograph showing the Solar Energy device installed within the project area

ANNEXURE 4




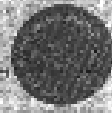

Photograph showing the Sprinkler system installed in crusher plant and tipper lorry

ANNEXURE 5



Photograph Showing the Barbed metal wire fencing installed around the mining area

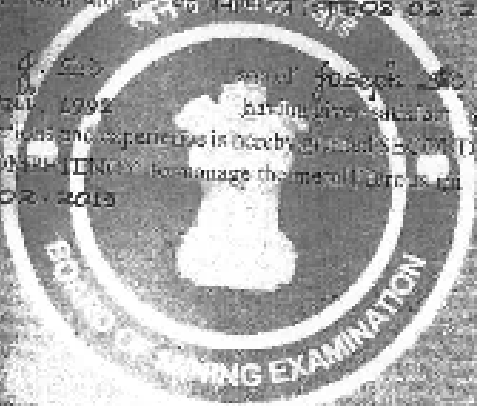
ANNEXURE 6

CONTINUUM - 2198
 भारत सरकार Government of India
 मिन. अधिनियम, 1952 Mines Act, 1952
 मिन. परीक्षा बोर्ड Board of Mining Examination
 द्वितीय श्रेणी प्रबंधक कक्षा का प्रमाणपत्र
 SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY
 (पालकान्त छात्र विनियम, 1981 के अन्तर्गत)
 (Under the Coalfield and Mines Regulations, 1981)

मैं प्रमाणित करता हूँ कि जोसेफ एम ई
 निम्नीय नाम से 09-04-1992 को निम्नीय नाम का प्रमाणपत्र प्राप्त करने
 का परीक्षा प्रमाणपत्र प्राप्त करने पर परीक्षा बोर्ड द्वारा जारी किया गया है।
 यह प्रमाणपत्र 02-02-2013 तक वैध रहेगा।

श्री श्रीरामचन्द्र ए. ए. ए.
 दिनांक 09-04-1992
 The Board of Mining Examination is hereby notified that the SECOND CLASS MANAGER'S
 CERTIFICATE OF COMPETENCY has been issued to the candidate named above. This certificate is
 valid from 02-02-2013.



Secretary
 Board of Mining
 Examination

Chairman
 Board of Mining
 Examination

Signed and Sealed
 Date 10/7/92

ANNEXURE 7



Photograph showing the tarred Access road to the quarry

ANNEXURE 8







Photograph showing the Overburden/topsoil dump stabilized by geotextiles and vegetation

ANNEXURE 9



Photograph showing the bench type mining

ANNEXURE 10



Photographs showing Storm water pit and Garland drain

Annexure 11



Photograph showing Explosive Magazines

Annexure 12

FILE NO : 1187892
Date of Issue : 26/12/2017



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, 1986

and

The Environment (Protection) Act, 1986

As per Application No. :1187892
Dated:23-12-2017

TO

**M/s POABSON GRANITE PRODUCTS (P) LTD(QUARRY)
THELAKKAD.P.O, PERINTHALMANNA, MALAPPUZHAM DIST**

Consent No. :PCB/CQ/7632/17
Valid Up to :30/11/2022

Page 1

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	VALIDITY	30/11/2022
2	Name and Address of the establishment	POABSON GRANITE PRODUCTS (P) LTD.(QUARRY) THELAKKAD.PO, PERINTHALMANNA, MALAPPURAM.DT - 690015
3	Communication	Telephone :04933-276200 Fax :- E-mail:pinna@porba.in
4	Occupier Details	SRI.K.A.ABRAHAM, MANAGING DIRECTOR, M/S POABSON GRANITE PRODUCTS (P) LTD., THELAKKAD.PO, PERINTHALMANNA, MALAPPURAM.DT
5	Local Body	VETTATHUR
6	Survey Number	592
7	Village	KARYAVATTOM
8	Taluk	PERINTHALMANNA
9	District	MALAPPURAM
10	Capital Investment(Rs in Lakhs)	10000/-
11	Scale	Medium
12	Category	R-13
13	Annual fee(Rs)	75000/-
	Total Fee remitted(Rs)	412500/-
14	RAW MATERIAL	PRODUCTS
		BLASTED RUBBLES @5 Metric Tonnes/DAY (Quarrying in 4.5000 hectares of land in survey no. 592 of Kariyavattom village Perinthalmanna Taluk,Malappuram Dist)
15	Total Power Required (HP)	NIL

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 19(1)(g) of the Water Act shall also be made along with.

2.2 Water consumption: NIL

2.3 Effluent generation: -

2.4 The characteristics of effluent after treatment shall conform to the following tolerance limits:

Sl.No.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent: -

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 ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm ³)
--------	-----------	--

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 Authorization 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
Mode of			
Storage		Disposal	

Page 3

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

5. SPECIFIC CONDITIONS

5.1. The location of the Quarry shall be as per the approved drawing attached.

5.2. The PM 2.5 in ambient air at the boundary shall not exceed 60 microgram/m³.

5.3. For renewal of the consent in case of continuance of discharge/operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board eOnline Consent Management & Monitoring System 2 months before the end of validity period. Late application will be accepted only with a fine /late fee as applicable.

5.4. Boundary shall be fenced before operation of quarrying activities.

5.5. The concentration of PM10 at the boundary shall not exceed 100 microgram/m³.

5.6. After extraction at the site is completed, the land may be used for rain water harvesting with protective hedges/any other suitable approved purpose or may be reclaimed.

5.7. The applicant shall comply with the instructions that the Board may issue from time to time regarding the prevention and control of air, water, land and sound pollution.

5.8. No change or alteration of the quarrying area is to be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/authorized agent is to be intimated to the Board forthwith.

5.9. The ambient air quality measured at 1 m outside the boundary of the premises shall not exceed the ambient air quality applicable to the adjoining area.

5.10. The sound level measured at 1 m outside the boundary of the premises shall not exceed the ambient sound level applicable to the adjoining area.

5.11. Suitable species of trees and certain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.

5.12. The consentee shall put up a sign board of size 6x4 ft. near the main entrance of the plant to display the name of the unit and important consent conditions.

5.13. Bench cutting method shall be adopted for quarrying.

5.14. Blasting shall be done with prior signals in specified time. No. of blasting shall not exceed 1000s. at a time.

5.15. Blasting and quarrying shall be done without causing any nuisance or damage to occupants of adjoining or neighbouring land or building or posing damage to health, life or property.

5.16. Mining below normal water table by continuous pumping shall be avoided in summer period (March, April, May) to prevent drinking water shortage in that area.

5.17. Noise creating activities such as drilling, blasting, breaking, loading etc shall not be done during night time (from 6am).

5.18. The applicant shall submit copies of all relevant permits/lease/certificate/licences periodically to this office to ensure the validity of this consent.

5.19. The conditions in the Environmental clearance shall be complied.

5.20. All other statutory or necessary clearances from other concerned authorities shall be obtained before commencing any quarrying operations.

5.21. Minimum distance of 50m shall be maintained from boundary of quarrying area to residential building, places of worship, public buildings, public roads, river, lake, railway lines and bridges.

References:-

Page 6

- 1) Mining & Geology letter No.: 8704/M3/2017 DATED:02.11.2017
- 2) Explosive license No: E/SC/KL/23/19(E8568) DATED:27.03.2015
- 3) Environmental Clearance No: 946/SE/LAA/EC/1/4152/2015 Dated:16.08.2017.

DATE :26/12/2017

VINAYA K S

Digitally signed by Vinaya K S
Date: 2017.12.26 11:28:22
+05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL
ENGINEER,DO.MALAPPURAM



To

STOCK FILE

1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to kneemms.mie.in and search using date of issue: name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

Page 2

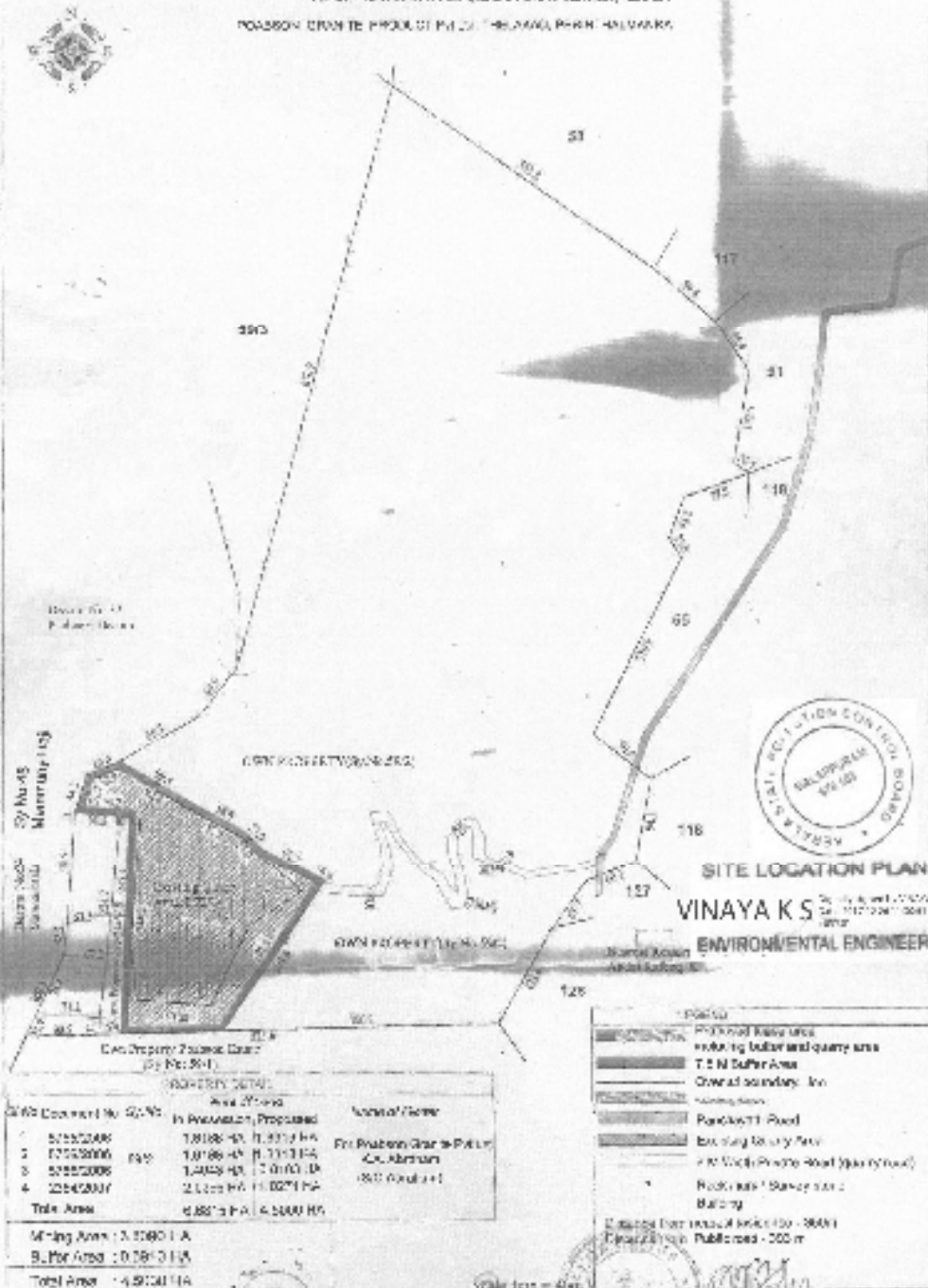
CBRD: Velupur
 Date: 10/01/2019
 By: S. S. Srinivasan

SURVEY MAP

Area: 4.5030 HA
 Plot No: 252

PLAN OF PROPOSED QUARRY AREA OF M. A. SRIKANTH FOR POABSON GRANITE PVT. LTD., SITE LOCATED AT SURVEY NO. 252 OF KARAYATTOM VILLAGE
 NORTH - ALANNATTILK, MALAPPURAM DISTRICT, KERALA

POABSON GRANITE PRODUCTS PVT. LTD., BELANVA, PATTANAMALAYAR



ANNEXURE 13

	
നമ്പർ BI-1/15-16 വെള്ളാട്ടൂർ ഗ്രാമ പഞ്ചായത്ത്	
1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്ന് വകുപ്പുകൾ പ്രകാരവും അതേ തുടർത്തുള്ള ചട്ടങ്ങളും അനുസരിച്ചു കൊടുത്തു	
ലൈസൻസ്	
ലൈസൻസുടമസ്ഥന്റെ പേരും മേൽവിലാസവും	മാഹേഷ് വെള്ളാട്ടൂർ, കെ.എ. മെത്തുറം ഡോക്ടർ ഗ്രാമത്തിന്റെ പ്രൊഡക്ട്സ് ഞെപ്പാട് ചിമിറ്റി - അലപ്പാട്, പി.ഒ
ഏതാവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചു എന്ന്	പാറപെട്ടിച്ച് വിവിധവിനം മേനലുകൾ മെല്ലം ഉണ്ടാക്കുന്നതും വിൽക്കുന്നതും പാറ പെട്ടി നമ്പർ 39/2. പെട്ടി ഭൂ ന്ദാരികൾ
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	VP V/207
ലൈസൻസിന്റെ കാലാവധി	1.4.2015 to 31.3.2020
ലൈസൻസ് ഫീസ്	10500/- രൂപ രവേല 120000/-
റിമാർക്സ് : 1900 H.P.	(Geology, Pollution Control Board എൻവയോൺമെന്റൽ നമ്പരും അപ്രിറ്റിരികറ്റു ക്കാൻ അനുമതിക്ക് വിധേയമാക്കിയിരിക്കുന്നു)
വെള്ളാട്ടൂർ	
തീയതി 1.4.2015	<div style="text-align: center;">  </div> <div style="text-align: right;">  Suraj Babu.P Secretary Vettathur Grama Panchayath Thelakkad (PO), 679 325 Ph: 04933 245128 </div>

LICENCE FORM LE-3

(See article 3(a) to (d) of Part I of Schedule IV of Explosives Rules, 2008)

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

License No : ESO/KL/22/10(E8869)
Annual Fee Rs 4300/-



1. License is hereby granted to : **Sri K.A. ABRAHAM MG. DIRECTOR (Explosives) SRI C A**
MA. POABSON GRANITE PRODUCTS PVT. LTD. Puthakkad
P.O. PERINTHALMANNA, MALAPPURAM DISTRICT, KERALA, own/Village - NILAMBUR
District-MALAPPURAM, State-Kerala, Pincode - 679325

2. Status of licensee : **Individual**
3. License is valid only for the following purpose : possess for use of Nitrate Mixture, Safety Fuse, Detonators,

4. (a) License 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	30000 Mtrs
3.	Detonators	6,3	0	20000 Nos

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

5. The licensed premises shall conform to the following drawing(s):
Drawing No : ESO/KL/22/10(E8869) dated : 12/02/2008
6. The licensed premises are situated at following address:
Survey No(s) : 59/1, Town/Village : KARYAVATTOM
Police Station : MELATTOOR District : MALAPPURAM State : Kerala
PinCode : Phone : E-Mail : Fax :
7. The licensed premises consist of following facilities : A magazine with a high exp. room and a detonator room
8. The license 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 : c. 5 above.
(2) Conditions and Additional Conditions of this license signed by the licensing authority.
(3) Distance Form DE-2
9. This license shall remain valid till 31st day of March 2009

This license is liable to be suspended or revoked for any violation of the Act or rules framed there under the conditions of this license as set forth under Set VIII, wherever applicable, referred to in Part 4 of


The Date: 12/05/1999

Joint Chief Controller of Explosives
South Circle, Chennai

Amendment:

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 26/03/2011
 - Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 09/03/2012
- Entertainment for removal of license

Endorsement for renewal of license:

Date of Renewal	Date of Expiry	Signature of Issuing authority
27/03/2015	31/03/2020	 Dy. Chief Controller of Explosives श्री राम नारायण सिंह For Deputy Chief Controller of Explosives राम नारायण / Ram Narayan

Statutory Warning : Misreading and misuse of explosives that constitute serious crime and offence under the law.

The following are the conditions of licence number ESC/KL/21/10(E85): (i) to possess for sale or use, explosives of Class 1, 2, 3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (e)) granted by Chief controller of Explosives or Controller of Explosives.

- 47

16. The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
17. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.
18. The resistance of the lightning conductors to earth shall be as low as possible and in no case be more than 10 ohms.
19. The resistance of the lightning conductors to earth shall be as low as possible and in no case be more than 10 ohms.
20. A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable material.
21. Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
22. Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
23. Empty packages of the explosives shall be removed at the earliest and destroyed.
24. The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
25. Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
26. If the licensing authority or a Controller of Explosives informs in writing, the licensee or the holder of the license to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations which are in the opinion of such authority may pose a danger to the safety of either on-site or off-site of the premises or persons, the holder of the license shall execute the recommendations and report compliance within a period specified by such authority.
27. The licensee shall purchase authorized explosives fireworks or safety fuse as mentioned in the List authorized zone.
28. The possession and sale of fire-crackers generating noise level exceeding 125 dB(A) or 145 dB(C) at 4 meters distance from the point of burning shall be prohibited.
29. For individual fire-cracker constituting the series (joined fire-crackers), the noise level (N) dB, where N = number of crackers joined together, the mentioned limit be reduced by 5.
30. Accidents by fire or explosion and losses, damage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.


For Joint Chief Controller of Explosives
 For Deputy Chief Controller of Explosives
 For Deputy Chief Controller of Explosives
 For Deputy Chief Controller of Explosives

Form DE-2
(See rule 112 of the Explosives Rules, 2008)
(Distance Form to be attached to the license)

Safety distances required to be kept clear around magazine for high explosives or fire work or factory license number EOC/KL/2010/185599 is for an L.E-3 granted to Shri K.A. ABRAHAM MG. DIRECTOR MS. POABSON GRANITE PRODUCTS PVT. LTD., Thalakud P.O. PERINTHALMANNA, MALAPPURAM DISTRICT, KERALA, Kerala.

Type of Structure(s)	Safety distances meters	
Inside Safety Distances(ISD)		
1 Room or Workshop used in Connection with the Magazine	91	DM
2 Any other Explosives Magazine or store House or Factory of the Applicant	19	25
3 Magazine Office		
Middle Safety Distances(MSD)		
4 Magazine Keypart or Closeby's Dwelling House		
5 Railway including Minerals and Private Railways		
6 Canal (in action use) or other navigable water		
7 Dock or Pier or Jetty		
8 Public Highway or Public Road		
9 Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worship, Hospital, College, School or Factory	48	
10 River Embankment or Sea Embankment or Public Well		
11 Roadside or Beached truck/route way		
12 Windmill or Solar panel for Power Generation		
Outside Safety Distances(OSD)		
13 Dwelling House		
14 Govt. and Public Building		
15 Temple, Mosque, Church or Gurudwara or other Places of Worship		
16 Shops, Market place, Public recreation area, Sports Ground, College, School, Hospital, Theatre, Cinema or other Building where the public are accustomed to assemble		
17 Factory		
18 Buildings or Works used for the Storage in Bulk of Petroleum, Soil, gas, or other inflammable or hazardous substances	95	
19 Building or Works used for Storage and Manufacture of Explosives or of a stock which contain Explosives		
20 Aerodrome		
21 Furnace, Kiln or Chimney		
22 Quarry or mine pit head		
23 Power House or Electric Substation		
24 Wireless Station		
25 Warehouse or other Storage Building		
26 Any other Protected works		
Overhead Electric Lines		
27 Electric Power over head Transmission Lines above 44KV	90	
28 Electric Power over head Transmission Lines upto 44KV	15	

The Date : 12/03/1995


 For Joint Chief Controller of Explosives
 South Zone, Chennai
 Sd/- J. J. J. J. J.
 Deputy Chief Controller of Explosives
 Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/10/2011
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 09/10/2012

THE NEWSPAPER EXPRESS KERALA
 DATE: 10/05/2017
 PRICE: ₹10.00

SC verdict to have major impact on health sector

RIGHT TO PRIVACY

The Supreme Court's landmark verdict on the right to privacy has a major impact on the health sector, particularly in the area of medical records and patient consent. The court has ruled that the right to privacy is a fundamental right, and that the state cannot interfere with it without a valid reason. This has implications for the health sector, as it means that patients have the right to control their own medical data and to decide whether or not to share it with others. The verdict also means that the state cannot use medical data for purposes other than the patient's care without their consent. This is a significant step forward for patient rights and privacy in the health sector.

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SABARMALA

State Govt intervention sought

The Sabarimala temple authorities have sought intervention from the state government to resolve a dispute over the temple's management. The temple is one of the most important religious sites in Kerala, and its management has been a subject of controversy for many years. The temple authorities claim that the state government has interfered with their autonomy, while the state government claims that it has a duty to ensure that the temple is managed in a way that is consistent with the interests of the state. The dispute has led to a series of legal battles, and the state government has now sought intervention from the court to resolve the matter.

LAND GRAB

VIGILANCE COURT ORDERS VACB TO REGISTER CASE AGAINST FIVE PERSONS

The Vigilance Commission has ordered the Vigilance Anti-Corruption Bureau (VACB) to register a case against five persons involved in a land grab case. The case involves the alleged illegal acquisition of land by a group of persons, and the VACB is now required to investigate the matter and take appropriate action. The Vigilance Commission is a body set up to investigate and prevent corruption in the public sector, and its decision to register the case is a significant step forward in the fight against corruption.

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IN REMEMBRANCE

'Modi should tender apology for making godman Swachh Bharat ambassador'

A group of people have demanded that Prime Minister Narendra Modi should tender an apology for making a godman the ambassador of the Swachh Bharat Mission. The group claims that the godman's appointment as ambassador is a disgrace to the mission, and that it is a clear indication of the government's lack of seriousness about the mission. They demand that the government should take appropriate action to remove the godman from the position and to appoint a more suitable person. The Swachh Bharat Mission is a government initiative to improve the cleanliness of India, and it is a subject of great importance to the public.

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Chief Minister-level talks must to solve inter-state water pacts: Chennithala

The Minister of Panchayats, Chennithala, has said that Chief Minister-level talks must be held to solve inter-state water pacts. He claims that the current state of affairs is unsustainable, and that the government must take immediate action to resolve the issue. He calls for a meeting of the Chief Ministers of the states involved in the dispute to discuss the matter and reach a mutually acceptable solution. The issue of inter-state water pacts is a complex one, and it requires the cooperation of all the states involved to solve it.

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Cowboy Park opened in Munnar

Cowboy Park opened in Munnar

A new Cowboy Park has been opened in Munnar, a popular tourist destination in Kerala. The park is a large area of land that has been developed into a theme park, and it features a variety of rides and attractions. The park is owned and operated by a private company, and it is open to the public. The opening of the park is a welcome addition to the tourism infrastructure of Munnar, and it is expected to attract a large number of visitors.

4 വാർത്തകൾ

കൊല്ലത്തിനടുത്ത് മത്സ്യബന്ധന വള്ളം കപ്പലിടിച്ച് തകർന്നു

വള്ളത്തിലുണ്ടായിരുന്ന ആറ് മത്സാധികളും കെൾപ്പിച്ചു

കൊല്ലത്തിനടുത്ത് വള്ളം കപ്പലിടിച്ച് തകർന്നു. വള്ളത്തിലുണ്ടായിരുന്ന ആറ് മത്സാധികളും കെൾപ്പിച്ചു. വള്ളം കപ്പലിടിച്ച് തകർന്നു. വള്ളത്തിലുണ്ടായിരുന്ന ആറ് മത്സാധികളും കെൾപ്പിച്ചു.

വള്ളം കപ്പലിടിച്ച് തകർന്നു. വള്ളത്തിലുണ്ടായിരുന്ന ആറ് മത്സാധികളും കെൾപ്പിച്ചു.

നിരക്കു കൂട്ടി. പലപ്പോഴും നിരക്കുകൾ ഉയർത്തിയതിനെത്തുടർന്ന്

നിരക്കുകൾ ഉയർത്തിയതിനെത്തുടർന്ന്. നിരക്കുകൾ ഉയർത്തിയതിനെത്തുടർന്ന്. നിരക്കുകൾ ഉയർത്തിയതിനെത്തുടർന്ന്.

സി.പി.എമ്മിന് സി.പി.എമ്മിന്റെ കയ്യിൽ

സി.പി.എമ്മിന്റെ കയ്യിൽ. സി.പി.എമ്മിന്റെ കയ്യിൽ. സി.പി.എമ്മിന്റെ കയ്യിൽ.

സി.പി.എ. പരാജയം നൽകിയിട്ടുണ്ട്

സി.പി.എ. പരാജയം നൽകിയിട്ടുണ്ട്. സി.പി.എ. പരാജയം നൽകിയിട്ടുണ്ട്. സി.പി.എ. പരാജയം നൽകിയിട്ടുണ്ട്.

SI COMMERCIAL INSTITUTE OF AMERICAN STUDIES

SI COMMERCIAL INSTITUTE OF AMERICAN STUDIES

2007-2008-ൽ പരമേശ്വരൻ

കെ.എസ്.ടി.പി: ഉപാധികളുമായി ലോകബാങ്ക്

കെ.എസ്.ടി.പി: ഉപാധികളുമായി ലോകബാങ്ക്. കെ.എസ്.ടി.പി: ഉപാധികളുമായി ലോകബാങ്ക്. കെ.എസ്.ടി.പി: ഉപാധികളുമായി ലോകബാങ്ക്.

വീഡ്യോയിലൂടെ സുരക്ഷ ഉറപ്പാക്കാൻ സി.ബി.എസ്.ഇ.

വീഡ്യോയിലൂടെ സുരക്ഷ ഉറപ്പാക്കാൻ സി.ബി.എസ്.ഇ. വീഡ്യോയിലൂടെ സുരക്ഷ ഉറപ്പാക്കാൻ സി.ബി.എസ്.ഇ. വീഡ്യോയിലൂടെ സുരക്ഷ ഉറപ്പാക്കാൻ സി.ബി.എസ്.ഇ.

കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു

കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു.

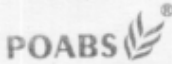

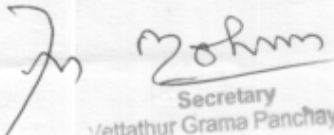
കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു

കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു.


കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു

കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു. കെ.എസ്.ആർ.ടി.സി. താത്കാലിക ടിവികൾ പുറത്തു.

ANNEXURE 17

POABSON GRANITE PRODUCTS PVT. LTD.	
	Thelakkad P. O., Pattikkad Via, Perinthalmanna - 679 325 Malappuram Dt., Kerala. Ph: +91 - 4933 245120, 245189 E-mail: pmna@poabs.in, www.msand.in
	TIN: 32100752474 CST: 32100752474-C
Dt. 25/08/2017	
The Secretary, Vettathoor Panchayat, Malappuram District, Kerala.	
Sub:- Environment Clearance (E.C.) – Proposed Quarry project at Survey No. 59/2, at Vettathoor Panchayat, Kariyavattom Village, Perinthalmanna Taluk, Malappuram District, Kerala - Submission of the E.C. Order – Compliance to the condition of Environment Clearance – Reg.	
Respected Sir,	
This refers to the Environment Clearance obtained for our proposed quarry project at Survey No. 59/2, at Vettathoor Panchayat, Kariyavattom Village, Perinthalmanna Taluk, Malappuram District, Kerala issued by State Environment Impact Assessment Authority (SEIAA), Kerala vide Order No. 946/SEIAA/EC1/4152/2015 dt. 16/08/2017.	
We hereby submit a self attested copy of the Environment Clearance Order No. 946/SEIAA/EC1/4152/2015 dt. 16/08/2017.	
This is in compliance to the condition of the E.C. Order.	
Kindly acknowledge the receipt of the same.	
Thanking you,	
Yours respectfully, For Poabson Granite Products Pvt. Ltd.,	
 K.A. Arahm, (Managing Director)	 Secretary Vettathur Grama Panchayath Malappuram
Encl: As above	
Regd. Office: Kuttoor P. O., Tiruvalla, Kerala, India - 689 106, Ph: +91 - 469 2743300, Fax: +91 - 469 274333, E-mail: mail@poabs.com	

ANNEXURE 18




കേരളം കേരള KERALA AX 756153

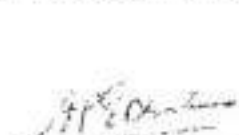
AFFIDAVIT

I, K.A. Abraham, Managing Director & Authorized Signatory of Mrs. Poabson Granite Products Pvt. Ltd. having its correspondence office at Kuttoor P.O., Thiruvalla, Kerala - 689 105 do hereby affirm and confirm as follows:-


1. That, Mrs Poabson Granite Products Pvt. Ltd. proposes to develop a quarry project at Survey No. 59/2, at Vettathoor Panchayat, Kariyavattom Village, Perinthalmanna Taluk, Malappuram District, Kerala.
2. That, the Environment Clearance proceedings number and date are Order No. 946/SEIAA/EC1/4152/2015 dt. 16/08/2017.
3. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.



NO. 81227
7/1/17
P.S. cert.



DEPONENT
A.P. Gokula Chandra, Notary Public,
Thiruvalla, Kerala.



K.A. Abraham, Managing Director
Poabson Granite Products Pvt. Ltd.
Kuttoor P.O., Thiruvalla



കേരളം KERALA

AX 756154

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: Malappuram

Date: 25/08/2017

Solemnly affirmed and signed before me by the deponent who is personally known to me in my office at Thiruvalla on this the 25th day of August 2017




[Signature]
A.P. Gokula Chandran, Advocate & Notary
Regd No: 155/73 Thiruvalla

10.8/228
7/1/17
L.A. Abraham Managing Director
Poabson Granite Products Pvt. Ltd
Kutthoor P.O. Thiruvalla
RS. cont.



Water, Air and Noise Analysis reports


POLUCHEM LABORATORIES (P) LTD.
 CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY
 PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104
 Phone : 0484-2544030, 8201943322, 9747400065, 9747400080. www.poluchem.com, poluchem@gmail.com
 ACCREDITED BY ISO/IEC 17025:2005

TEST REPORT

Ref.No. PL/RT/SW/13241/2019

Date of Issue: 24/12/2019

Page 01 of 02

Name & address of customer : M/s Poabs Granite Product(P) Ltd
Thelakkad, Perinthalmanna
Malappuram

Project Site : M/s Poabs Granite Product(P) Ltd
Sy.No.59/2
Village - Kariavattom
Panchayath- Vettathoor
Taluk-Perinthalmanna
District - Malappuram, Kerala

Sample drawn by : Poluchem Laboratory Sample Collector

Sample description : Water Sample

Location of sampling : Surface water


Date of sample collected : 19/12/2019

Date of analysis started : 19/12/2019

Date of completion of analysis : 23/12/2019

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 - 1983 RA2017	8 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 - 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 - 1984 RA2017	3 NTU	1 NTU
pH	IS 3025 (P) 11 - 1983 RA 2017	6.24	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 16 - 1984 RA2017	74.6 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 - 1983 RA2014	21.3 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 - 1986 RA2014	16.8 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 - 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 - 1988 RA2014	16.3 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 - 1991 RA2014	4.14 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 - 1994 RA2014	2.61 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 - 2003 RA2014	0.65 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 - 1986 RA2009	7.42 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 - 2008 RA 2013	0.2 mg/l	1.0 mg/l

Note : BDL - Below Detection Level

For Poluchem Laboratories (P) Ltd.

 Authorized Signatory



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544030, 8281983322, 9747400085, 9747400086, www.poluchem.com, poluchem@gmail.com

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Page 02 of 02

Continuation of Test Certificate No: 13241/2019

Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P) 56 - 2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988 RA2014	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42- 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59- 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41- 1992 RA2014	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P) 52 - 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P) 49 - 1994 RA2014	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 - 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P) 27-1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47- 1994 RA2014	BDL	0.01 mg/l
Aluminum as Al	IS 3025(P) 55- 2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57- 2005 RA2017	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 RA 2009	90	Absent
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Absent

For 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.



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY
PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2540333, 0291003332, 0747400085, 0747400086, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY NIPES AS "A" GRADE LABORATORY

TEST REPORT

Page 01 of 02

Ref.No. PL/RT/SW/13242/2019

Date of Issue: 24/12/2019

Name & address of customer

: M/s Poabs Granite Product(P) Ltd
Thekkad, Perinthalmanna
Malappuram

Project Site

: M/s Poabs Granite Product(P) Ltd
Sy.No.59/2
Village - Kariavattom
Panchayath- Vettathoor
Taluk-Perinthalmanna
District - Malappuram, Kerala
Sample drawn by : Poluchem Laboratory Sample Collector
Sample description : Drinking Water
Location of sampling : Open Well Water
Date of sample collected : 19/12/2019
Date of analysis started : 20/12/2019
Date of completion of analysis : 24/12/2019

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 - 1983 RA2017	5 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 - 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 - 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 - 1983 RA 2017	6.57	6.5 - 8.5
Total Dissolved Solids	IS 3025 (P) 16 - 1984 RA2017	65 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 - 1983 RA2014	21.3 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 - 1986 RA2014	19.2 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 - 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 - 1988 RA2014	14.6 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 - 1991 RA2014	6.32 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 - 1994 RA2014	2.14 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 - 2003 RA2014	0.21 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 - 1986 RA2009	3.6 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 - 2008 RA 2013	0.15 mg/l	1.0 mg/l

Note : BDL - Below Detection Level

For Poluchem Laboratories (P) Ltd.

Authorized signatory

**POLUCHEM LABORATORIES (P) LTD.**

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone : 0484-2544193, 02813600000, 0147400005, 9147400005, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY NISPR AS 14TH GRADE LABORATORY

Page 02 of 02

Continuation of Test Certificate No: 13242/2019

Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P) 56 - 2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025 (P) 37 - 1988 RA2014	BDL	0.01 mg/l
Copper as Cu	IS 3025 (P) 42 - 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025 (P) 59 - 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025 (P) 41 - 1992 RA2014	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P) 52 - 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P) 49 - 1994 RA2014	BDL	5 mg/l
Mercury as Hg	IS 3025 (P) 48 - 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025 (P) 27 - 1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025 (P) 47 - 1994 RA2014	BDL	0.01 mg/l
Aluminum as Al	IS 3025 (P) 55 - 2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025 (P) 57 - 2005 RA2017	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 RA 2009	23	Absent
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Absent

For 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.



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

PALLATH BUILDING, N. KALAMASSERY P. O., ERNAKULAM - 683104

Phone: 0484-2544030, 8280382222, 9747600885, 9747400095, www.poluchem.com, poluchem@gmail.com

ACCREDITED BY KEMCO AS "K" GRADE LABORATORY

TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/13240/2019
M/s Poabs Granite Product(P) Ltd Thelakkad, Perinthalmanna Malappuram	Date of issue:	24/12/2019
	Date of monitoring	18/12/2019 10.00 Hrs to 19/12/2019 10.00 Hrs
	Date of sample received:	19/12/2019
	Date of analysis	20/12/2019
	Monitoring Location	M/s Poabs Granite Product(P) Ltd Sy.No.59/2 Village - Kariavattom Panchayath- Vettathoor Taluk-Perinthalmanna District - Malappuram, Kerala
	Sample description	Ambient air -Near east side boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	I S 5182 Part 23 2006 RA2012	57.1 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	CPCB	31.3 µg/m ³	60 µg/m ³
03	Sulphur dioxide	I S 5182 Part 2 2001 RA 2017	6.3 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	5.1 µg/m ³	80 µg/m ³

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

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