

# **ENVIRONMENT CLEARANCE COMPLIANCE REPORT**

**October 2021- March 2022**

*For*

***GRANITE BUILDING STONE QUARRY (Minor Mineral)***

**Extent: 2.4374 Ha. (6.0229 Acres)**

At

Sy No. : 135

Village : Ambalappara II

Taluk : Ottapalam

District : Palakkad

State : Kerala,

**‘Quarry Project of P.P.K. Granites’**

**File NO: E/2703/16/DIEAA**

**Dated: 21/04/2017**

**Date: 19-04-2022**

**To,**

**The Member Secretary  
State Environment Impact Assessment Authority (SEIAA)  
Directorate of Environment & Climate Change  
4th Floor, KSTRC Bus Terminal,  
Thampanoor, Kerala-01**

Respected Sir,

**Sub: Environmental Clearance Compliance Report for the period October 2021 – March 2022 pertaining to ‘Granite Building Stone Quarry of ‘PPK Granites and Crusher Private Limited’**

**Ref: Environmental Clearance No: 4/16, Dated: 21/04/2017.**

As per conditions of the above referred Environmental Clearance (EC), please find enclosed compliance report for period from October 2021 to March 2022 of the EC Granted to ‘Granite Building Stone Quarry of PPK Granites and Crusher Private Limited ‘by Ministry of Environmental & Forest under EPA (1986). Also enclosed relevant Annexures in Support of the compliance report for your perusal and record please. A soft copy of the same is sent by email for your record and perusal.

We hope you will find the attached Status Report in Order.

Thanking you,

Yours truly,

**For ‘Granite Building Stone Quarry of  
PPK Granites and Crusher Private Limited’**



**Shri. Nisarudeen**  
(Managing Director)

*Encl: as above*

*Cc:*

**The Deputy Director General of Forests(C)**  
MoEF, Regional office, Koramangala, Bangalore.  
Kendriya Sadan, 4th Floor, E & F. Wings, 17th Main Road,  
Koramangala, 2<sup>ND</sup> Block, Bangalore - 560034

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

**Introduction**

Mr. Nisarudeen, P.P.K. Granites & Crusher Products Pvt. Ltd, Chunangad P.O, Ottapalam taluk, Palakkad District, Kerala- 679511 has been granted for a mining lease to quarry Granite Building Stone over an area of 2.4374Ha. In Sy. No: 135, Ambalappara- II Village Ottapalam taluk, Palakkad District, Kerala The Environmental clearance is also obtained for this mining lease vide letter no E/2703/16/DEIAA. Dated: 21/04/2017, for a maximum production of 71,000 MTA. This granite building stone quarry is located at 5.8 Kms from Ambalappara-II Village in Ottappalam Taluk. It is at a distance of 33.2 Kms by road from Palakkad town. It can be reached from Varodu Chunangadu Road.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

File No.	E/2703/16/DEIAA
Name of the project	Quarry Project of P.P.K. Granites & Crusher Products Pvt. Ltd (Minor Mineral)
District and state	: Palakkad, Kerala
Taluk / Mandal	: Ottapalam
Village	: Ambalappara-II
Category	B2
Khasara No. / Plot No. / Block / Gate No. etc.,	: Sy. No:135
Extent of Area	2.4374 Ha
Ownership / Occupancy	: Private Land
Existence of public road/railway line, if any, nearby and approximate distance Nearest Port / Airport	: The nearest railhead – Ottappalam (6.9 Kms) and Nearest airport – Kozhikode Airport (74.1Kms) from the mine.
Latitude & Longitude	: N - 10°48'25.73" to N - 10°48'19.61" E - 76°24'15.16" to E - 76°24'07.04"
Address of Registered office	M/s. P.P.K. Granites and Crusher Products Private Limited.Chunangadu Post, Ottappalam, Palakkad District, Kerala – 679511 Ph No.: +91 9747125476.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

Compliance Status of the General Conditions for Mining Projects Laid down by the State Environment Assessment Authority, Kerala vide their Environment Clearance No.4/16 Dated: 21/04/2017

**Part A – Specific Conditions**

1	A Mines manager shall be appointed to control, direct, manage and supervise the Quarrying operations as required under the Mines Act, 1952.	Complied
---	---	----------

**Compliance:**

Mines manager has been appointed to control, direct, manage and supervise the Quarrying as required under the Mines Act, 1952.

2	Health and welfare measures for the persons employed shall be implemented.	Complied
---	--	----------

**Compliance:**

Health and welfare measures for the persons employed in the quarry has been implemented periodic health checkups are been regularly carried out to all the employees employed in the quarry, as welfare measure proper PPE's are distributed to all the employees

3	Controlled blasting should be practiced and blasting shall done during day time. The mitigative measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.	Complied
---	---	----------

**Compliance:**

Controlled blasting is practiced and blasting is done during day time and the mitigative measures are strictly followed to control the ground vibrations to arrest the fly rocks & Boulders.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

4	Plantation shall be done which includes a green belt of adequate width around the mining lease area excluding the rocky area, along roads, overburden dumps and non-mineralized area by planting Suitable native specious in consultation with the local DFO/ Agriculture Department.	Noted
---	---	-------

**Compliance:**

Plantation is done around the mining lease area excluding the rocky area, along roads, overburden dumps and non-mineralized area by planting Suitable native specious in consultation with the local DFO/ Agriculture Department.

The Photograph of the Plantation is attached below



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

5	The drains should be regularly de silted and maintained properly. Check dam and gully checks shall be constructed wherever required to arrest siltation. De siltation shall also be done every year before the onset of monsoon.	Complied
---	--	----------

**Compliance:**

The drains are regularly de silted and maintained properly. Check dam and gully checks are constructed wherever required to arrest siltation. De siltation is carried out every year before the onset of monsoon.

6	Fencing must be maintained properly all around the lease area.	Complied
---	--	----------

**Compliance:**

Lease area is fenced completely and photograph of fencing is attached below





*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

7	The CSR need redrafting with inclusion of felt needs of the locality.	Complied
---	---	----------

**Compliance:**

CSR Activities are being carried out by the Project proponent.

Receipts and payments are attached as **Annexure 5**

8	Appropriate sign boards should be displayed.	Complied
---	--	----------

**Compliance:**

Sign boards have been erected at prominent places. The Photographs of the signboards are attached below



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

9	The blasting time must displayed and strictly adhered to.	Complied
---	---	----------

**Compliance:**

The blasting time is displayed in the all the access of quarry road and a photograph is attached below.



10	The PPV values must be less than 10mm/sec	Noted
----	---	-------

**Compliance:**

Necessary mitigation measures and precautions are taken. PPV values are less than 10mm/sec

11	Dust Suppression mechanism must be in place.	Agreed
----	--	--------

**Compliance:**

Sprinklers are erected to suppress the dust in all the places of the quarry area.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

12	A separate small plot to be maintained in the premise to preserve rare and endemic species, if any, listed. In the Biodiversity assessment.	Agreed
----	--	--------

**Compliance:**

A separate small plot is maintained in the premise of the quarry area to preserve rare and endemic species.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

**Part B – General Conditions**

1	Rainwater harvesting facility should be installed as per prevailing provisions of KMBR/KPBR, unless otherwise specified.	Complied
---	--	----------

**Compliance:**

Rainwater harvesting is a technically feasible solution for overcoming the problem of water scarcity in mines. Rain water harvesting pond is constructed. The Photograph of the Rain water Collection Pond is attached below.



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

**Compliance:**

Environmental monitoring cell is formed and it is made functional.  
The details of Environmental monitoring cell are given in Table below.

Sl No.	Name	Post
--------	------	------

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

1	Shri. Nisarudeen	Head of Monitoring Cell
2	Mr. Shiju Shuhaib	In Charge
3	Mr. Pankaj Naik	Member
4	Mr. Mugdum Vijay Rahu	Member
5	Mr. George Joseph	Member

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.	Complied
---	--	----------

**Compliance:**

Suitable avenue trees are planted along either side of the road & Parking are



4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Noted
---	--	-------

**Compliance:**

Solar Energy Generation and Utilization is being adopted.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

5	Sprinklers shall be installed and used in the Project Site to contain dust emissions.	Complied
---	---	----------

**Compliance:**

Sprinklers are installed in all places where the concentration of the dust is more. In few places water sprinkling is done with help of water tanker and manual sprinkling. Photographs of Water Sprinkling are attached below.





*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

6	Eco-restoration, including the Mine Closure Plan shall be done at the own cost of the Project Proponent	Noted
---	---	-------

**Compliance:**

Plantation of various saplings within the project area has been initiated and Mine closure plan will be prepared as agreed by the project proponent. Photographs are attached below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

7	At least 10 per cent of 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 the Pit is stipulated in the EC.	Agreed
---	--	--------

**Compliance:**

During closure of the mine, 10 percent of total excavated pit will be retained as water storage area and the remaining area will be reclaimed with stacked dumping & Overburden and indigenous plant species will be planted. Photograph of receipt for purchase of saplings is shown below.

224/62-2018, 10000x100x2, G.P.S. © Govt. of Kerala.  
ORIGINAL  
FORM T.R. 5  
[See Rule 90 (a)]  
Acknowledgement for Receipt of Money  
Receipt CI No. 0019165  
Book No. 00192  
Station Rangaswamy  
Date 24-2-2022  
Received from PPK Crusher, Granites Project  
Chinnagad, Ollepalem, PKO.  
₹ 5400/- (Rupees Five thousand four hundred only)  
Being the value of saplings only on account of  
200 Nos. Small bags. (Bamboo)  
Page No. Item No.  
Initials of Cashier or Accountant. Initials of Head of Office.

8	Corporate Social Responsibility (CSR) agreed upon by the Proponent should be implemented.	Complied
---	---	----------

**Compliance:**

Several CSR activities has been carried out by the project proponent. The details of CSR are attached as Annexure 5.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

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

**Compliance:**

Lease area is completely fenced & Sign boards have been erected at prominent places. Photographs are attached below.





*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*



Sign Boards

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

10	Warning alarms indicating the time of Blasting (to be done at specific timings) has to be arranged as per stipulations of the Explosives department.	Complied
----	--	----------

**Compliance:**

Warning alarms indicating the time of blasting is arranged as per the stipulations. Necessary precautions while blasting is taken. Blasting time and safety boards have been erected at all access road of the quarry. Photograph of Signboard showing blasting timings is attached below.



11	Control measures on noise and vibrations prescribed by KSPCB should be implemented.	Complied
----	---	----------

**Compliance:**

- Noise and vibration control measures is implemented by adapting controlled blasting.
- Use of sharp drilling bits, delivery of compressed air at optimal pressure. Proper maintenance of compressor, drilling machine, Jackhammers and tipper trucks.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

- Regular monitoring of noise levels is being done within the core zone and the buffer zone of the mining lease area.

12	Quarrying activities should be limited to daytime as per KSPCB guidelines/specific conditions.	Complied
----	--	----------

**Compliance:**

Quarrying activities are limited to daytime only as per KSPCB guidelines.

13	Blasting should be done in a controlled manner as specified by the regulations of the Explosives department or any other concerned agency.	Complied
----	--	----------

**Compliance:**

Controlled Blasting is done as per regulations.

14	A licensed person should supervise/control the Blasting Operations.	Complied
----	---	----------

**Compliance:**

Blasting supervision/control is done by a Mining Official having DGMS Certificate.

15	Access roads to the quarry shall be tarred to contain dust emission that may arise during the transportation of material	Complied
----	--	----------

**Compliance:**

Access roads to the quarry is tarred to contain dust emission.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*



*Tarred Access Roads*



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

16	Overburden materials should be managed within the site and used for reclamation of Mine Pit as per Mine closure Plan/specific conditions	Complied
----	--	----------

**Compliance:**

Overburden material is stacked very close to the quarry and it will be used for reclamation of mine pit at the time of mine closure.

Photographs are attached below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

17	Height of Benches should not exceed 5 M and width should not be less than 5 M, if there is no mention in the Mining Plan/specific conditions.	Noted
----	---	-------

**Compliance:**

The height of benches will not exceed 5 meters and width will not be less than 5 meters, in order to ensure safety. Photograph is attached below.

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

**Compliance:**

Mats are used at the time of blast, which helps in reducing fly rock and PPV are maintained below PPV.

19	Maximum depth of mining and general groundlevel at site shall not exceed 10m	Noted
----	--	-------

**Compliance:**

Mining activity is carried out following the approved mining plan. Therefore mining depth does not exceed beyond 10m.

20	No Mining operations should be carried out at places having a slope greater than 45°	Noted
----	--	-------

**Compliance:**

No mining operation will be carried out at place having a slope greater than 45°

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow bricks envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Complied
----	--	----------

**Compliance:**

Acoustic enclosures have been provided to reduce sound amplifications.

22	The workers on the site should be provided with the required protective equipment such as ear muffs helmet, etc.	Complied
----	--	----------

**Compliance:**

Requisite Personal Protective equipment (PPE's) is provided to all employees.

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

**Compliance:**

Drains are present to channelize Storm water.

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

**Compliance:**

All trucks transporting materials are covered by firmly tied by tarpaulin sheaths to control the dust emission.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*



Trucks Covered With tarpaulin

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

**Compliance:**

Plantations of more than 5 times the loss that has been occurred while clearing the land is being done. Photographs of saplings are attached below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Complied
----	--	----------

**Compliance:**

Spent oil is re-used as a lubricant for drilling.

27	Explosives should be stored in magazines in isolated place specified and approved by the Explosive Department.	Complied
----	--	----------

**Compliance:**

Explosives are stored in a licensed explosives magazine, which is approved by Explosive department. Copy of magazine license is attached as Annexure 1.

28	A minimum buffer 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.	Complied
----	---	----------

**Compliance:**

No dwellings are situated within 100M from the boundary of the quarry.

29	100 M buffer distance should be maintained from forest boundaries	Considered
----	---	------------

**Compliance:**

Mining area is not located near any forest areas.

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

**Compliance:** Consent from KSPCB under Air and Water (s) is obtained. Copy of the consent is attached as Annexure 2

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competitive authorities including that for blasting and storage of explosives.	Complied
----	--	----------

**Compliance:**

All required statutory clearances are obtained.

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 environment parameters/impacts as assessed, based on which only the EC 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.	Noted
----	--	-------

**Compliance:**

There is no change in the scope of the project.

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 provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	<b>Agreed</b>
----	--	---------------

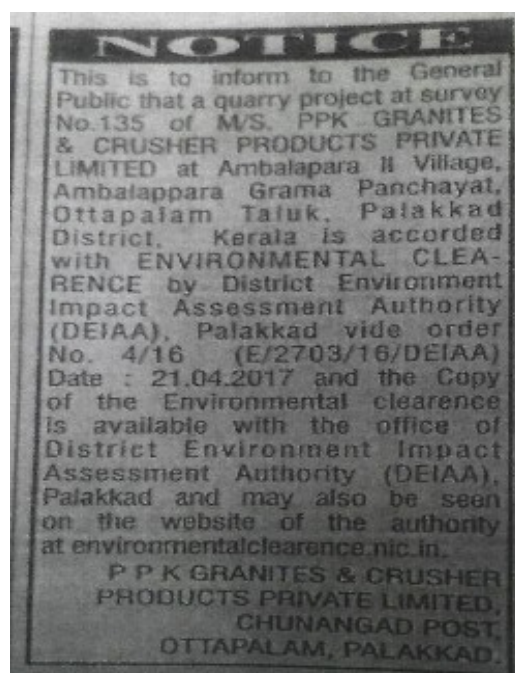
34	The stipulations by the Statutory Authorities under different Acts and Notifications should be complied with including the provisions of the Water (Prevention and control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006	<b>Agreed</b>
----	---	---------------

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

35	<p>The project proponent should advertise in at least 2 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 Environment Clearance and the copies of the Clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at <a href="http://www.seiaakerala.org">www.seiaakerala.org</a>. The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same signed in all the pages should be forwarded to the Office of this Authority as confirmation</p>	Complied
----	--	----------

**Compliance:**

Advertisements are given in two newspapers. Ads are shown below.





*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

36	A copy of the clearance letter shall be sent by the proponent to the concerned Gram 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.	Complied
----	---	----------

**Compliance:**

A copy of the clearance is submitted to the concerned authorities. Copy of Panchayat license is attached as **Annexure 3**.

37	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC 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 EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective regional office of the MOEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.	Noted
----	---	-------

**Compliance:**

Half yearly compliance reports are submitted as stipulated to State Environment Impact Assessment Authority and Regional Office of MoEF&CC, Bangalore.  
The monitored data of Air, Noise and Water is attached as **Annexure- 4**



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

38	The details of Environment Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times Roman font of size 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	Complied
----	---	----------

**Compliance:**

Details of Environmental Clearances is prominently displayed at the entrance of the Mine. Board displaying the details of EC clearance at the entrance of the Quarry is attached below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

39	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.	Complied
----	---	----------

**Compliance:**

Notarized affidavit is submitted.

40	No change in mining technology and scope of working should be made without prior approval of the DEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the DEIAA, as applicable.	Agreed
----	--	--------

**Compliance:**

Prior approval from the SEIAA will be sought in case of change of mining technology.

41	The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	Noted
----	---	-------

**Compliance:**

No natural water course is obstructed. Necessary safeguard measures are taken to protect first order streams if originating from the mining lease in the future.

42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Complied
----	---	----------



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

**Compliance:**

Monitoring of Ambient Air Quality is carried out. Monitoring reports have been enclosed as **Annexure -4**. Photographs are shown below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

43	The top soil, if any, shall be temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The Over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 m and the width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps 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 stabilization of the dump. The entire excavated area should continue until the vegetation becomes self-sustaining	Complied
----	---	----------

**Compliance:**

Available top soil is used at the green belt for plantation. OB generated is stacked separately and is vegetated with locally available shrubs and grasses.

The picture showing Planted trees, herbs and shrubs on the Stacked Overburden is shown below.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of 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 de silted particularly after monsoons and maintained properly	Complied
----	---	----------

**Compliance:**

Catch drains and siltation ponds are made around the mining workings, mineral and the water from the drain is directed to the Rain water Harvesting Pond. The water from RWHP is utilized for watering the mine area, roads, green belt development etc. The drains are regularly de-silted particularly before monsoons and maintained properly.

45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Complied
----	---	----------

**Compliance:**

Regular water sprinkling is done on all necessary roads with water tankers and sprinklers.



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

46	Fugitive dust emissions from all sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and transfer points should be provided and properly maintained.	Complied
----	---	----------

**Compliance:**

Fugitive dust emissions are controlled by Water sprinkling. Photograph is attached below



47	Measures should be taken for control of noise levels below 85 dB (A) in the work environment.	Complied
----	---	----------

**Compliance:**

Adequate measures for noise control have been adopted and noise level is within the permissible limits.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

48	A separate environmental management cell with suitable qualified personnel should be setup under the control of a senior executive, who will report directly to the head of the Organization.	Complied
----	---	----------

**Compliance:**

An Environment Management cell has been set up with Mr. Nisarudeen as the head of the cell.

The details of Environmental monitoring cell are given in the below Table.

Sl No.	Name	Post
1	Shri. Nisarudeen	Head of Monitoring Cell
2	Mr. Shiju Shuhaib	In Charge
3	Mr. Pankaj Naik	Member
4	Mr. Mugdum Vijay Rahu	Member
5	Mr. George Joseph	Member

49	The funds earmarked for environment protection measures and CSR activities should be kept in a separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the District Environment Impact Assessment Authority (DEIAA) office.	Complied
----	--	----------

**Compliance:**

The funds earmarked for environment protection measures and CSR activities shall be kept in a separate account and will not be diverted for other purpose. Photos of the CSR receipts are enclosed as **Annexure 5**

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

50	The Regional Office of MOEF and CC located in Bangalore shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the Officer(s) if the Regional Office by furnishing the requisite data/information/monitoring reports.	Agreed
51	Any appeal against the Environment 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	Agreed
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 withdrawal of this clearance and attract action under provisions of the Environment (Protection) Act, 1986.	Agreed
53	The DEIAA may revoke or suspend the order for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of the environment protection	Agreed



*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

54	The above conditions shall prevail notwithstanding anything to the contrary, inconsistent or simplified, contained in any other permit, license on consent given by any other authority for the same project.	Agreed
----	---	--------

55	The order is valid for a period of 5 years of the expiry date of Mine lease period issued by the Government of Kerala, whichever is earlier	Agreed
----	---	--------

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

57	The Mining operations shall be restricted to above ground water table and it should not intersect ground water table.	Noted
----	---	-------

**Compliance:**

Mining operations will be restricted to above ground water table and due care will be taken so as not to intersect ground water.

58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking center. Washing of all vehicles shall be inside the Lease area	Noted
----	--	-------

**Compliance:**

It is ensured that all transportation vehicles have 'PUC' certificate issued by authorized polluting checking center. All the vehicles are washed inside the lease area.

*Compliance Report for the period of October 2021- March 2022 Quarry Project  
of PPK Granites & Crusher Pvt. Ltd*

59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of necessary quantity of surface and ground water for the project.	Agreed
----	--	--------

**Compliance:**

There is no need for Drawl of Surface and ground water for the project activities as there is Rainwater Facility present which will be main source of water.

60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six-monthly reports to SEIAA.	Noted
----	--	-------

**Compliance:**

No perennial nallah flows through the lease or exist around the Mine Lease.

61	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Noted
----	--	-------

**Compliance:**

Occupational health surveillance is undertaken periodically.

For Granite Building Stone Quarry of **P.P.K. Granites**



**Mr. Nisarudeen**  
(Managing Director)

Date:19-04-2022



भारत सरकार | Government of India

वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce &amp; Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum &amp; Explosives Safety Organisation (PESO)

पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives

केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor

CSEZ पी.ओ.कक्कनाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037

फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SC/KL/22/1098(E55834)

दिनांक (Date): 25/03/2021

सेवा में | To,

26 MAR 2021

✓ Shri.GEORGE JOSEPH,

Director, PPK Granites & Crusher Products(P)Ltd, Poonattil House, Ayavana P.O, Enanallur,  
Moovattupuzha, Town/Village - Enanallur  
District-ERNAKULAM, State-Kerala, Pincode - 686676

विषय : Survey No.26/2, ग्राम Ambalappar-2, Ottapalam taluk, जिला PALAKKAD, राज्य Kerala में मेसर्स Shri.GEORGE JOSEPH द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1098(E55834) के संशोधन संदर्भ में।  
(विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:26/2, Ambalappar-2, Ottapalam taluk, Dist. PALAKKAD, Kerala -Licence No.: E/SC/KL/22/1098(E55834) granted in Form LE-3 of Explosives Rules, 2008 -  
(Amendment of Quantity of Explosives/Monthly Purchase Limit).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 10/03/2021 का संदर्भ ग्रहण करें।

Please refer to your letter no. Nil dated 10/03/2021.

अनुज्ञप्ति संख्या E/SC/KL/22/1098(E55834) EXPLOSIVES SHALL BE USED ONLY AFTER HAVING A VALID QUARRYING LEASE FROM THE DIRECTOR OF MINING & GEOLOGY . PLEASE NOTE THAT THE USE OF EXPLOSIVES IN THE QUARRIES SHALL BE AS PER THE DIRECTION OF DGMS, BANGALORE AS REQUIRED UNDER MINES ACT 1952 AND METALIFEROUS MINES REGULATIONS 1961. के संदर्भ में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SC/KL/22/1098(E55834) is forwarded herewith duly amended in respect of followings ;

EXPLOSIVES SHALL BE USED ONLY AFTER HAVING A VALID QUARRYING LEASE FROM THE DIRECTOR OF MINING & GEOLOGY . PLEASE NOTE THAT THE USE OF EXPLOSIVES IN THE QUARRIES SHALL BE AS PER THE DIRECTION OF DGMS, BANGALORE AS REQUIRED UNDER MINES ACT 1952 AND METALIFEROUS MINES REGULATIONS 1961..

किसी भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below ;

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	75	Kg.
2	Safety Fuse	6	1	0	1000	Mtrs
3	Electric Detonators	6	3	0	1000	Nos.
4	Ordinary Detonator	6	3	0	3000	Nos.

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) :  
30 गुना

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

यह अनुज्ञापते दिनांक 31 मार्च 2024 तक प्रवृत्त रहेंगों।  
This Licence shall remain valid till 31st day of March 2024.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया पावती दें।

For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008.  
Receipt of this letter may please be acknowledged.

भवदीय | Your's faithfully,

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam  
उप मुख्य विस्फोटक नियंत्रक

Deputy Chief Controller of Explosives  
एरनाकुलम Ernakulam

प्रांतोलोपे प्रेषित | Copy Forwarded to:

1. District Magistrate, PALAKKAD, Kerala with reference to his Noc No: D3.2008/53540/D.Dis Dated: 08/06/2010
2. Superintendent of Police, PALAKKAD, Kerala.

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives  
कोच्ची | Ernakulam

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क आदि के लिए हमारी वेबसाइट <http://peso.gov.in> देखें.)  
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

**Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.**



### अनुज्ञाप्ते प्ररूप एल. ई.-3 | LICENCE FORM LE-3

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)

(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञप्ति

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

अनुज्ञप्ति सं. (Licence No.) : E/SC/KL/22/1098(E55834)

वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

**Shri. GEORGE JOSEPH (आधिभोगी / Occupier : Shri George Joseph, Director), Director,**  
PPK Granites & Crusher Products(P)Ltd, Poonattil House, Ayavana P.O, Enanallur,  
Moovattupuzha, Town/Village - Enanallur, District-ERNAKULAM, State-Kerala, Pincode 686676



को अनुज्ञाप्ते अनुदत्त की जाती है।

2. अनुज्ञाप्तिधारी की प्रास्थिति | Status of licensee : **Individual**

3. अनुज्ञाप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

Licence is valid only for the following purpose.

possess for use of **Nitrate Mixture, Safety Fuse, Electric Detonators, Ordinary Detonator, - के उपयोग के लिए**

4. अनुज्ञाप्ति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।

Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र Sr. No.	नाम और विवरण Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	75 Kg.
2.	Safety Fuse	6,1	0	1000 Mtrs
3.	Electric Detonators	6,3	0	1000 Nos.
4.	Ordinary Detonator	6,3	0	3000 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञाप्ति के लिए]

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

**30 times  
as above.**

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञाप्त परिसर की पुष्टि होती है।

The licensed premises shall conform to the following drawing(s) :

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1098  
: (E55834)  
दिनांक (Dated) 25/03/2021

6. अनुज्ञाप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:

**Survey No. 26/2, ग्राम (Town/Village) : Ambalappar-2, Ottapalam taluk**  
**जिला (District) PALAKKAD राज्य (State) Kerala पिनकोड (Pincode) 679511**  
**दूरभाष (Phone) 9349457743 ई. मेल (E-Mail) jkumar.jk.14@yahoo.com फेक्स (Fax)**

7. अनुज्ञाप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

**STONE MASONARY MAGAZINE CONSISTING  
OF HIGH EXPLOSIVES ROOM AND  
DETONATOR ROOM SEPERATELY**

8. अनुज्ञाप्ति समय – समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों के अधीन रहते हुए अनुदत्त की जाती है।

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. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
2. अनुज्ञप्ति प्राधिकारी व्दारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।  
Conditions and Additional Conditions of this licence signed by the licensing authority.
3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख **31 मार्च 2015** तक विधिमान्य रहेगी। This licence shall remain valid till **31st day of March 2015**.

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।

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.

तारीख | The Date - 01/10/2010

**संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller  
of Explosives  
South Circle, Chennai**


**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 06/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 21/01/2021
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 25/03/2021

**Transfers :**

- Change in Licensee Name/Address/Status dated : 17/09/2012

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal

  
उप मुख्य विस्फोटक नियंत्रक  
Deputy Chief Controller of Explosives  
एरनाकुलम Ernakulam

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
21/01/2019	31/03/2024	Sd/- Dy. Chief Controller of Explosives, Ernakulam

**कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दांडिक अपराध होगा।**

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

**Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.**



(सेट VIII | Set VIII)

मेगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को विक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/1098(E55834) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1098(E55834) 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 (c) ) granted by Chief controller of Explosives or Controller of Explosives.

1. परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।  
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
  2. विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।  
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
  3. मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट है, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।  
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
  4. पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।  
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
  5. दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके; परंतु –  
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आनेवाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।  
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आनेवाले विस्फोटक प्रेरक अलग रखे जाएंगे।  
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।  
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—  
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space;  
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.  
(f) Gun powder belonging to Class 1 shall be kept separately.
  6. वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।  
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.
  7. वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।  
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।  
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लाइसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिह्न प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।  
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.  
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.  
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
  8. मैगजीन के भीतरी भाग या उसमें लगी बेंचो, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचे, शेल्फें और फिटिंग यथासाध्य ग्रीट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे; परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बाधेकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।

उप मुख्य विस्फोटक नियंत्रक  
Deputy Chief Controller of Explosives  
एरनाकुलम, एरनाकुलम



The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from; Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

9. यदि तड़ित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापतिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापतिधारी द्वारा पश्चात्पूर्ति प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तड़ित चालक को समाधानप्रद घोषित नहीं कर देता :  
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभावी होगा :  
परंतु यह और कि यदि दो या अधिक तड़ित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तड़ित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है ।  
If the lightning conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lightning conductor is passed by the testing officer as satisfactory:  
Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :

Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.

10. उपयुक्त तथा जेब रहित कार्यकरण वस्तुओं, उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वर्जित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :  
परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिसमें भिन्न कोई विस्फोटक नहीं रखा गया है ।  
Due provisions shall be made, by the use of suitable working clothes without pockets, suitable shoes and by searching or otherwise or by such means, for preventing the introduction into danger area of the factory premises of fire, Lucifer matches or any substance or article likely to cause explosion or fire, but this condition shall not prevent the introduction of an artificial light of such construction, position or character as not to cause any danger of fire or explosion:  
Provided that so much of this condition as applies to the exclusion of iron or steel, shall not be obligatory in a building in which no explosive other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.
11. अनुज्ञापतिधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टाक पुस्तक और अभिलेख प्रस्तुत करेगा । स्टाक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी ।  
The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.
12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञापतिधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करें ।  
No changes or alterations shall be carried out to the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.
13. मैगजीन सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी) यदि किसी कारणवश किसी विस्फोटक के भण्डारण के लिए मैगजीन अनुपयुक्त हो जाती है तो अनुज्ञापतिधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा ।  
Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever.  
मैगजीन का अनुज्ञापतिधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरणी प्रस्तुत करेगा ।  
The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी ।  
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी ।  
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकजों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके ।  
The explosive packages shall be stocked in such a way so 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.  
तड़ित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओह्म से अधिक नहीं होगा ।  
The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.
17. मैगजीन के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी ।



A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.

18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।  
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।  
Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
20. विस्फोटकों के खाली पैकेजों को शीघ्रतिथीग्न वहां से हटा दिया जाएगा और नष्ट कर दिया जाएगा।  
Empty packages of the explosives shall be removed at the earliest and destroyed.
21. अनुज्ञापिधारी और कर्मचारीयों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।  
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
22. निरीक्षण या नमूना अधिकारी को सभी युक्तियुक्त समयों पर अनुज्ञत परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।  
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.
23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञापिधारक को अनुज्ञात परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञापिधारक सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।  
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence 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 unacceptable risk and so necessary for 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 the period specified by such authority.
24. अनुज्ञापिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञत फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पलीते खरीदेगा।  
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए –  
(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए1) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;  
(ख) श्रृंखला (जुड़े हुए पटाख) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग.10(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे;  
The possession and sale of fire-crackers generating noise level exceeding;  
a) 125 dB(AI) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;  
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log10 (N) dB, where N = number of crackers joined together.
26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।  
Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

#### अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञापिधारी विदेशी मूल के आतिशबाजी को ना प्रदर्शित करेगा, ना रखेगा और ना ही उसकी बिक्री करेगा  
I The licensee shall not exhibit, possess and sell fireworks of foreign origin.

कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Joint Chief Controller of Explosives  
दक्षिणांचल, चेन्नै। South Circle, Chennai

**Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.**

Form DE-2  
(See rule 113 of the Explosives Rules, 2008)  
(Distance Form to be attached to the licence)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/KL/22/1098(E55834) in form LE-3 granted to Shri.GEORGE JOSEPH, Director, PPK Granites & Crusher Products(P)Ltd, Poonattil House, Ayavana P.O, Enanallur, Moovattupuzha, Kerala-679511 .

Type of Structure(s)		Safety distances meters	
Inside Safety Distances(ISD)		M	UM
1	Room or Workshop used in Connection with the Magazine	11	17
2	Any other Explosives Magazine or store House or Factory of the Applicant		
3	Magazine Office		
Middle Safety Distances(MSD)			
4	Magazine Keeper's or Chowkidar's Dwelling house		
5	Railway including Minerals and Private Railways		
6	Canal (in active use) or other navigable water		
7	Dock or Pier or Jetty		
8	Public Highway or Public Road		33
9	Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory		
10	River Embankment or Sea Embankment or Public Well		
11	Reservoir or Bounded tank/rope way		
12	Windmillor 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 Worships		
16	Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, 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, Sprit, gas, or other inflammable or hazardous substances		45
19	Building or Works used for Storage and Manufacture of Explosives or of articles 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 440V		45
28	Electric Power over head Transmission Lines upto 440V		15

The Date : 01/10/2010

For Joint Chief Controller of Explosives  
South Circle, Chennai  
Deputy Chief Controller of Explosives  
Ernakulam

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 06/04/2017
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 21/01/2021
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 25/03/2021

**Transfers :**





## KERALA STATE POLLUTION CONTROL BOARD

FILE NO. : PCB/PLKD/ICO/R17PAL4959489/2020

Date of issue : 28/03/2020

### INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/PLKD/ICO/R1/12718907/2020

Ref : (i) Consent No: PCB/PLKD/ICO/F/216/2017 dated 26/04/2017 valid up to 31/03/2020 As per File no: PCB/PLKD/IC-2194959563/2017

(ii) Consent Variation Order number PCB/PLKD/ICO/F/12530512/2020 dated 3-2-2020 in File no. PCB/PLKD/ICO/R17PAL4959489/2020

The 'Integrated Consent to Operate' issued as per reference above to M/s P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY

CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511 is hereby renewed up to 31/03/2022 and issued to M/s P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY

CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511 The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

#### I. GENERAL

S.No.	Items	Description
1	Annual Fee	22000/-
2	Validity	31/03/2022
3	Capital Investment	85.00 Rs in Lakhs
4	Category	Red
5	Renewal Date	31/01/2022
6	Fee remitted	85116/- (24199/- is excess, to be adjusted in next application)

#### II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm <sup>3</sup> /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

### III. CONDITIONS

1. Quarrying shall be done in the area as per the Approved site location plan modified and attached

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

**KRISHNAN M N**

Digitally signed by KRISHNAN M N  
Date: 2020.03.28 12:21:23 +05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER

DATE :28/03/2020

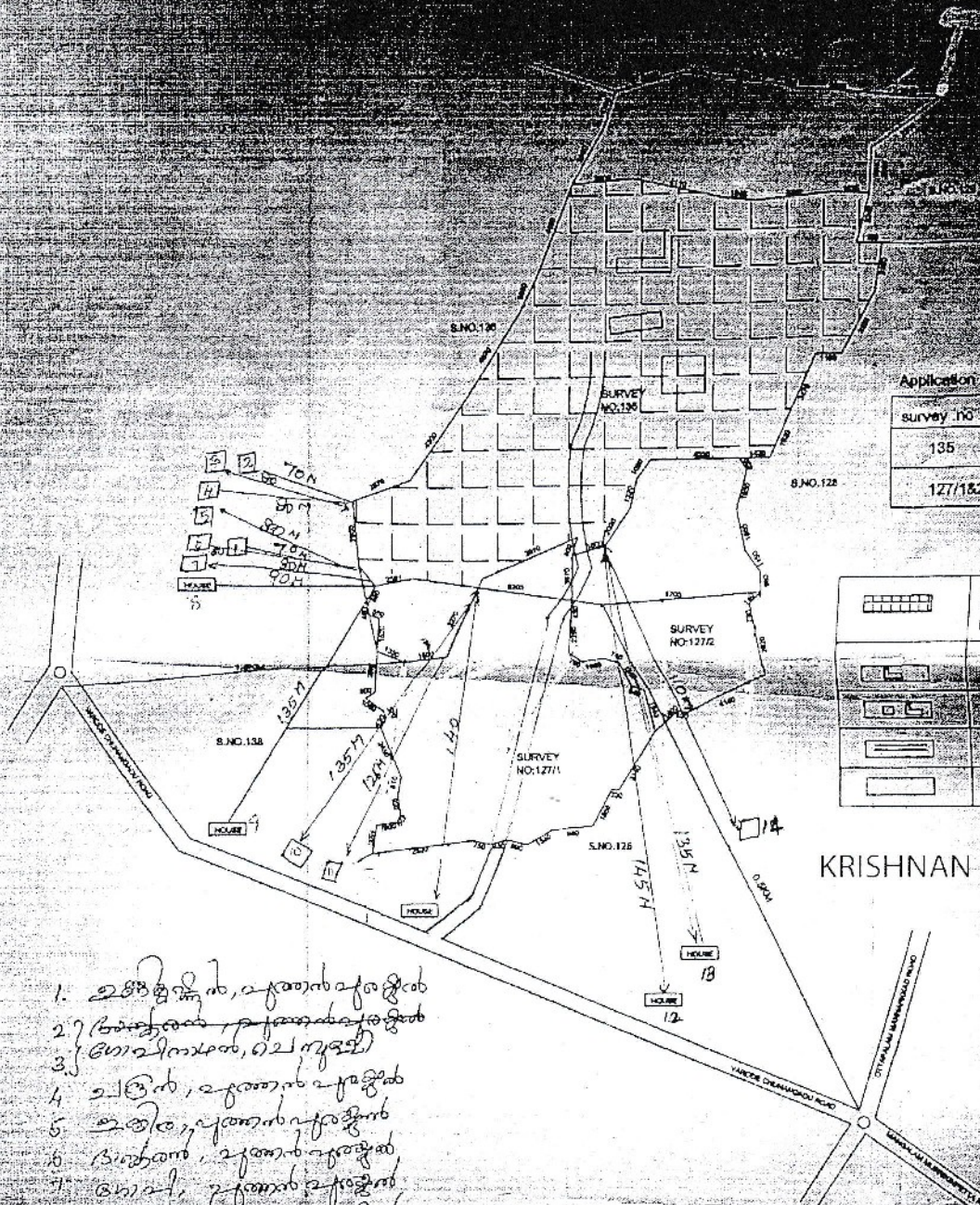


To

GEORGE JOSEPH S/o. JOSEPH POONATTIL HOUSE AYAVANA POST, ENANALLUR,  
MOOVATTUPUZHA, ERNAKULAM  
P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY  
CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511

1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to [krocmms.nic.in](http://krocmms.nic.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.





Application Area & Land Details in E.C.

survey no	Area in Hectares
135	3.2680
127/1&2	1.8230

	Proposed Mining Lease Area in S.no:135 pt 127/1pt,127/2pt(2.6848 Ha.)
	proposed crusher
	Road
	Area in possession

KRISHNAN M N

Digitally signed by KRISHNAN M N  
Date: 2020.03.28 12:27:25 +05'30'

1. ഉൾപ്പെടെ, പുറത്തു പുറത്തു
2. ഭൂമിയിൽ, പുറത്തു പുറത്തു
3. ഭൂമിയിൽ, പുറത്തു പുറത്തു
4. ഉൾപ്പെടെ, പുറത്തു പുറത്തു
5. ഉൾപ്പെടെ, പുറത്തു പുറത്തു
6. ഭൂമിയിൽ, പുറത്തു പുറത്തു
7. ഭൂമിയിൽ, പുറത്തു പുറത്തു
8. ഭൂമിയിൽ, പുറത്തു പുറത്തു
9. ഭൂമിയിൽ, പുറത്തു പുറത്തു
10. ഭൂമിയിൽ, പുറത്തു പുറത്തു
11. ഭൂമിയിൽ, പുറത്തു പുറത്തു

(must be produce before geologist Palakkad)



*[Signature]*  
31/5/2019  
Village Officer  
Ambalappara II





## KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/PLKD/ICO/R17PAL4959489/2020

Date of issue :2020-02-03

### CONSENT VARIATION ORDER

Consent No : PCB/PLKD/ICO/F/12530512/2020

Ref : Consent no :PCB/PLKD/ICO/F/216/2017 dated 26/04/2017 valid up to 31/03/2020 As per File no:PCB/PLKD/ICO-219/4959563/2017

The ' Integrated Consent to Operate' issued as per reference above to M/s P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY,CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511 is hereby modified & issued to M/s P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY,CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511 The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

#### I. GENERAL

S.No.	Items	Description
-------	-------	-------------

#### II. CONDITIONS

Condition 5.5 is modified as follows.

5.5 It is the responsibility of occupier to ensure that quarrying activities are restricted to the area shown in the attached draawing only and is at a distance equal to or more than 50 m from the nearby residences, places of worship, public buildings, river or lake, railway line, bridges and public roads having vehicular traffic.

Condition no. 5.7 is deleted

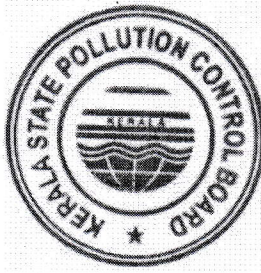
All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

**KRISHNAN M N** Digitally signed by KRISHNAN M N  
Date: 2020.02.03 13:55:49 +05'30'

DATE :03/02/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY

ENVIRONMENTAL ENGINEER



**To**

**GEORGE JOSEPH S/o. JOSEPH POONATTIL HOUSE AYAVANA POST, ENANALLUR,  
MOOVATTUPUZHA, ERNAKULAM**

- 1. This digitally signed document is legally valid as per the Information Technology Act 2000**
2. For verifying this document please go to [krocmms.nic.in](http://krocmms.nic.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.



## 1. GENERAL

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

1	<b>VALIDITY</b>	31/03/2020
2	Name and Address of the establishment	P P K GRANITE & CRUSHER PRODUCTS PVT. LTD. QUARRY CHUNANGAD POST, AMBALAPARA OTTAPALAM, PALAKKAD - 679511 679511
3	Communication	Telephone :0-8086925000 Fax :0-0 E-mail:ppkgranites@gmail.com
4	Occupier Details	GEORGE JOSEPH S/o.JOSEPH POONATTIL HOUSE AYAVANA POST, ENANALLUR, MOOVATTUPUZHA, ERNAKULAM
5	Local Body	AMBALAPPARA GRAMA PANCHAYAT
6	Survey Number	135
7	Village	AMBALAPPARA II
8	Taluk	OTTAPALAM
9	District	PALAKKAD
10	Capital Investment(Rs in Lakhs)	85
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	15,000/-
	Total Fee remitted(Rs)	97,500/-
14	RAW MATERIAL	PRODUCTS
	GRANITE BUILDING STONE @200 Metric Tonnes	GRANITE BUILDING STONE @200 Metric Tonnes
15	Total Power Required (HP)	

## 2. CONDITIONS AS PER

### The Water(Prevention and Control of Pollution)Act, 1974

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: 6000l/d
- 2.3 Effluent generation:
- 2.4 The characteristics of effluent after treatment shall confirm 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(Nm3/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/Nm3)
--------	-----------	-----------------------------

### 4. CONDITIONS AS PER

#### The Environment (Protection) Act, 1986.

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

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

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

4.3.1 Activities for which Authorisation is granted

Collection		transport	
Reception		Storage	
Treatment		Reprocessing/Disposal	

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

Sl.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
--------	-----------------	-------------------	---------------------

Mode of	
Storage	Disposal

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 industry/out let shall be as per the approved drawing attached.

5.2. This consent unless withdrawn earlier shall be valid up to 31/03/2020. If the operation of the quarry is to be continued after 31/03/2020 fresh application has to be submitted through online site [krocmms.nic.in](http://krocmms.nic.in) along with valid lease/permit from Department of Mining & Geology, 3 months in advance.

5.3. After excavation at the site is completed, the land may be reclaimed or used for rain water harvesting with protective barriers/any other suitable purpose like aquaculture approved by the authority.

5.4 The consent issued is subject to the conditions specified in the clearances issued by the Mining and Geology Department and Explosive Department as per the provisions of the relevant statutes.

5.5 It is the responsibility of occupier to ensure that quarrying activities are restricted to only area shown in the attached drawing and at a distance more than 100 m from the nearby residences and public roads having vehicular traffic .

5.6 All the control measures provided should be maintained properly to ensure that the system is adequate to control the pollution caused.

5.7 A minimum distance of 100m shall be maintained from the boundary of quarry operation area to existing residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.

5.8 Boundary of quarrying area shall be fenced and demarcated.

5.9 Fugitive emission from the quarry premises shall be suppressed using water sprinkling.

5.10 The suspended particulate matter (SPM) at boundary of the premises of the quarry shall not exceed the limit applicable to that area as per the National Ambient Air Quality Standards.

a) The PM10 in ambient air at the boundary shall not exceed 100  $\mu\text{g}/\text{m}^3$

b) The PM2.5 in ambient air at the boundary shall not exceed 60  $\mu\text{g}/\text{m}^3$ .

5.11 Regular wetting of the roads in the premises of the quarry and approach roads near the quarry shall be done for avoiding dust emission within and outside the boundary of the unit.

5.12 It is the responsibility of occupier to ensure that quarrying activities are restricted to only area shown in the attached drawing and at a distance more than 100 m from the nearby residences and public roads having vehicular traffic .

5.13 The sound level measured at 1.0m outside the boundary shall not exceed the limit as per the Ambient Air Quality Standards in respect of Noise.





5.14 The validity of this consent may change subjected to the order of the Honorable Supreme Court/High Court / NGT in related cases. or the new orders issued by the government or other competent authority.

5.15 The consent issued from the Board will be valid only during the period when statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act, 1974, Air Act, 1981 and Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned authorities.

5.16 Quarrying operations shall be started only after obtaining the D & O license under the Kerala Panchayath Raj Act from the concerned Local Self Government Institution and submitting a copy of the same to the District Office of the Board.

5.17 The quarry should not be operated between 6.00 p.m. and 6.00 a.m. Products shall be transported with proper cover and/or after wetting to prevent spreading of dust.

5.18 Quarrying area shall be restricted in the area shown in the drawing attached.

5.19 Provisions for rain water harvesting shall be provided for collecting and storing sufficient water for meeting the total water requirement of the unit.

5.20 This consent may be granted on the basis of affidavit and other documents furnished by the applicant. Any of the statement or information found to be false, the consent issued will withdrawn or cancelled.

DATE :26/04/2017

SIGNATURE & SEAL OF ISSUING AUTHORITY

OFFICE SEAL



To

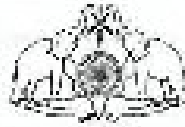
George Joseph,  
S/O.Joseph,Poonattil House Ayavana Post,  
Enanallur,Moovattupuzha,Ernakulam





കേരള സ്റ്റേറ്റ് പൊതുതൊഴിലുറപ്പ് കമ്മിറ്റി ഓഫീസ്, തിരുവനന്തപുരം

ലൈസൻസ് നം. AS.1961/21(144)



തീയതി... 01/04/2024

അമ്പലപ്പാറ ഗ്രാമപഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് [1994 നമ്പ 13] 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതോടനുബന്ധിച്ചു ചട്ടങ്ങളും അനുസരിച്ച്

വ്യവസായങ്ങൾക്കും, ഫാക്ടറികൾക്കും, വ്യാപാര സ്ഥാപനങ്ങൾക്കും

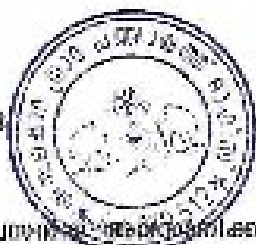
സംരംഭ പ്രവർത്തനങ്ങൾക്കും, മറ്റ് സേവനങ്ങൾക്കും

നൽകുന്ന ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	(പി). ജോർജ്ജ് ജോസഫ് ഡയറക്ടർ, എ. എ. ജി. പ്രൈവറ്റ് ന്യൂസ് പ്രൈൻ പ്രൈവറ്റ് ലിമിറ്റഡ് (പി) മുതലാട്ട്	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥാനവും	എ. എ. ജി. പ്രൈവറ്റ് പ്രൈൻ പ്രൈവറ്റ് ലിമിറ്റഡ് ഐ. എ. ജി. പ്രൈവറ്റ്, മുതലാട്ട്	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ഉപരി (കി) മൂല്യ വനനവീകരണ പ്രവർത്തനം	
കെട്ടിടത്തിന്റെ നമ്പരും, വാർഡ് നമ്പരും	അമ്പലപ്പാറ ഗ്രാമപഞ്ചായത്ത് സെക്ഷൻ 135	
ലൈസൻസ് കാലാവധി	<u>01/04/2024</u> മുതൽ <u>31/03/2025</u> വരെ	
ഘോഷിത ലൈസൻസ് ഫീസ്	..... <u>15000/-</u> രൂപ	സെൽ നമ്പർ
	<u>P.T. 2500/-</u>	<u>6208/10248/3</u> <u>05/03/2024</u>
ലൈസൻസ് അനുവദിക്കുന്നതിനായി പാലക്കാട് നിരീക്ഷണ പത്രങ്ങളുടെ നിരീക്ഷണങ്ങൾ (നമ്പർ, തീയതി കാണുക, ധർമ്മിയ അധികാരസ്ഥാനം)	1. Environmental clearance - 20/04/2024 2. Pollution Certificate - 31/03/2024 3. Lixplative Licence - 31/03/2024 4. Quarrying Lease - 05/03/2024 5. B/S/S Licence.	

മുതലാട്ട് ഐ. എ. ജി. പ്രൈവറ്റ് ലിമിറ്റഡ്  
പ്രതിജ്ഞാക്കർ.

ഓഫീസ് മുദ്ര



സെക്രട്ടറി

അമ്പലപ്പാറ ഗ്രാമപഞ്ചായത്ത്  
ഓഫീസ്

അമ്പലപ്പാറ ഗ്രാമ പഞ്ചായത്ത്

NB : ഈ ലൈസൻസ് അനുവദിക്കുന്ന തീയതിക്ക് 30 ദിവസം മുമ്പ് ലൈസൻസ് പുതുക്കുന്നതിനുള്ള അപേക്ഷ സമർപ്പിക്കേണ്ടതാണ്





## GLOBAL Environment & Mining Services

(Consulting Engineers, Mine designers, Geologist & Surveyors)

3<sup>rd</sup> Main Road, Basaveswara Badavane,

HOSPET – 583201, Dist., Bellary (Karnataka)

Ph : +91 8394 229433 & 295018

e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in



GEMS-LD/TF/11/01

Date: 15.12.2021

### Analysis Report of Ambient Air Quality Monitoring

- |   |                              |   |  |
|---|------------------------------|---|--|
| 1 | Name of the Customer/Address | : | Granite Building Stone Quarry of<br><b>M/s.P.P.K. Granites and Crusher Products<br/>Private Limited.</b><br>Extent: 2.4374 Ha.<br>Re Sy. No., 135/pt, Ambalappara-II Village,<br>Otappalam Taluk, Palakkad District, Kerala State. |
| 2 | Sample Description           | : | <b>Ambient Air Quality Monitoring</b>  |
| 3 | Sample Collected By          | : | GLOBAL Environment & Mining Services   |
| 4 | Duration of the Monitoring   | : | 24 Hour of Sampling  |
| 5 | Location of Monitoring       | : | <b>(A1) Core zone</b>  |
| 6 | Report No                    | : | ULR-TC532321000000760F   |

### Result

Sl No.	Date	Parameters in $\mu\text{g}/\text{m}^3$				
		PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Lead in PM
1	11.12.2021	58.9	29.3	22.5	16.8	BDL
NAAQ Standards 2009		100	60	80	80	1.0

**PM10** - IS 5182 (Part 23): 2006 (RA 2017)

**PM2.5** - USEPA 2001

**SO2** - IS 5182 (Part 2): 2001 (RA 2017) BDL (<3.0)

**NO2** - IS 5182 (Part 6): 2006 (RA 2017) BDL (<5.0)

**Lead** - IS 5182 (Part 22): 2004 (RA 2014)

**BDL** - Below Detectable Limit.

*J.M. Thippeswamy*  
Analyzed By  
J.M. Thippeswamy  
Chemist

*R.K.R.*  
Authorized Signatory  
K. Ramakrishna Reddy  
Technical Manager

- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

#### **Note:**

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



## GLOBAL Environment & Mining Services

(Consulting Engineers, Mine designers, Geologist & Surveyors)  
 3<sup>rd</sup> Main Road, Basaveswara Badavane,  
**HOSPET - 583201**, Dist., Bellary (Karnataka)  
 Ph : +91 8394 229433 & 295018  
 e-mail : gems\_hpt@yahoo.com,  
 Website : www.globalmining.in



GEMS-LD/TF/11/01  
 Date: 15.12.2021

### Analysis Report of Ambient Air Quality Monitoring

1	Name of the Customer/Address	:	Granite Building Stone Quarry of <b>M/s.P.P.K. Granites and Crusher Products Private Limited.</b> Extent: 2.4374 Ha. Re Sy. No.,135/pt, Ambalappara-II Village, Otappalam Taluk, Palakkad District, Kerala State.
2	Sample Description	:	<b>Ambient Air Quality Monitoring</b>
3	Sample Collected By	:	GLOBAL Environment & Mining Services
4	Duration of the Monitoring	:	24 Hour of Sampling
5	Location of Monitoring	:	<b>(A2) Murugumpetta</b>
6	Report No	:	ULR-TC532321000000761F

### Result

Sl No.	Date	Parameters in $\mu\text{g}/\text{m}^3$				
		PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Lead in PM
1	12.12.2021	49.8	24.3	18.2	13.6	BDL
<b>NAAQ Standards 2009</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>1.0</b>

**Note: No Mining activities during the period of Monitoring.**

**PM10** - IS 5182 (Part 23): 2006 (RA 2017)  
**PM2.5** - USEPA 2001  
**SO2** - IS 5182 (Part 2): 2001 (RA 2017) BDL (<3.0)  
**NO2** - IS 5182 (Part 6): 2006 (RA 2017) BDL (<5.0)  
**Lead** - IS 5182 (Part 22): 2004 (RA 2014)  
**BDL** - Below Detectable Limit.

*J.M.T.*  
**Analyzed By**  
**J.M. Thippeswamy**  
 Chemist

*12K P*  
**Authorized Signatory**  
**K. Ramakrishna Reddy**  
 Technical Manager

- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

#### **Note:**

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.





## GLOBAL Environment & Mining Services

(Consulting Engineers, Mine designers, Geologist & Surveyors)

3<sup>rd</sup> Main Road, Basaveswara Badavane,

HOSPET - 583201, Dist., Bellary (Karnataka)

Ph : +91 8394 229433 & 295018

e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in



GEMS-LD/TF/11/01

Date: 15.12.2021

### TEST REPORT OF AMBIENT NOISE LEVEL MONITORING

- Granite Building Stone Quarry of  
M/s.P.P.K. Granites and Crusher Products  
Private Limited.
- 1 Name of the Customer/Address : Extent: 2.4374 Ha.  
Re Sy. No.,135/pt, Ambalappara-II Village,  
Otappalam Taluk, Palakkad District, Kerala  
State.
  - 2 Sample Description : Ambient Noise Level monitoring
  - 3 Sample Collected By : GLOBAL Environment & Mining Services
  - 4 Particulars of Sample Collected : Noise Level Meter (Equinox-107)
  - 5 Duration of the Monitoring : 24 Hours Sampling
  - 6 Date of Analysis Completion : 12.12.2021
  - 7 Report No : ULR-TC532321000000762F

### Result

Date	11.12.2021	12.12.2021
Name of the Location	Core Zone	Murugumpetta
Time (hrs)	N1	N2
6.00	36.2	36.2
7.00	46.3	44.5
8.00	48.7	47.4
9.00	50.2	48.3
10.00	52.3	50.1
11.00	52.5	50.2
12.00	54.9	52.3
13.00	57.3	54.5
14.00	55.2	52.2
15.00	54.8	50.4
16.00	54.2	51.2
17.00	55.6	52.4
18.00	54.1	50.3
19.00	48.4	49.9
20.00	44.7	44.4
21.00	40.8	42.7
22.00	40.5	41.4
23.00	40.2	39.8
00.00	38.3	37.2
01.00	37.4	37.8
02.00	38.8	35.4
03.00	36.9	34.2
04.00	35.2	34.4
05.00	34.8	33.5

- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

#### Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



## GLOBAL Environment & Mining Services

( Consulting Engineers, Mine designers, Geologist & Surveyors )  
3<sup>rd</sup> Main Road, Basaveswara Badavane,  
HOSPET – 583201, Dist., Bellary (Karnataka)  
Ph : +91 8394 229433 & 295018  
e-mail : gems\_hpt@yahoo.com,  
Website : www.globalmining.in



ULR-TC532321000000762F		
<b>L max</b>	57.3	54.5
<b>L min</b>	34.8	33.5
<b>Ld</b>	53.07	50.39
<b>Ln</b>	38.01	37.47
<b>Ldn</b>	51.8	49.5

Area Code	Category of Area	Limit in dB(A) Leq	
		Day Time	Night Time
<b>A</b>	<b>Industrial Area</b>	<b>75</b>	<b>70</b>
<b>B</b>	<b>Commercial Area</b>	<b>65</b>	<b>55</b>
<b>C</b>	<b>Residential Area</b>	<b>55</b>	<b>45</b>
<b>D</b>	<b>Silence Area</b>	<b>50</b>	<b>40</b>

Note	Day time shall mean from 6:00 am and 10.00 pm
	Night time shall mean from in between 10.00 pm and 5.00 am
	Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
	Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority
	*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which relatable to human being
	A "decibel" is a unit in which noise is measured
	"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
Leq: It is energy mean of the noise level over a specified period.	

12KR  
Authorized Signatory  
Technical Manager



- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

### Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15 Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.





## GLOBAL Environment & Mining Services

(Consulting Engineers, Mine designers, Geologist & Surveyors)

3<sup>rd</sup> Main Road, Basaveswara Badavane,

HOSPET – 583201, Dist., Bellary (Karnataka)

Ph : +91 8394 229433 & 295018

e-mail : gems\_hpt@yahoo.com,

Website : www.globalmining.in



GEMS-LD/TF/11/01

Date: 15.12.2021

### ANALYSIS REPORT OF WATER QUALITY DATA

1	Name of the Customer/Address	:	Granite Building Stone Quarry of <b>M/s.P.P.K. Granites and Crusher Products Private Limited.</b> Extent: 2.4374 Ha. Re Sy. No.,135/pt, Ambalappara-II Village, Otappalam Taluk, Palakkad District, Kerala State.
2	Sample Collected By	:	GLOBAL Environment & Mining Services
3	Sampling Method	:	Grab Sample
4	Date of sample collection	:	11.12.2021
5	Date of sample Received	:	13.12.2021
6	Date of sample Analyzed	:	14.12.2021
7	Report Number	:	ULR-TC532321000000763F

### Result

Sl. No.	Parameters	Unit	Result	Test Protocol	Requirement/Limit IS : 10500 : 2012	
					Acceptable	Permissible
1.	pH	-	7.64	APHA 22 <sup>nd</sup> Edition 2012 4500 B (Pg No. 4-92 to 4-96)	6.5	8.5
2.	Colour*	Hazen	<5	IS: 3025 (PART 14)- 1984, RA- 2012 Platinum cobalt Method	5	15
3.	Taste*	-	Ag	IS 3025 Part 8 1984	Ag	Ag
4.	Odour*	-	Ag	IS: 3025 (Part 5) – 1983, Ra-2012, True Odour	Ag	Ag
5.	Turbidity	NTU	1.41	APHA 22 <sup>nd</sup> Edition 2012 2130 B (Pg No. 2-14)	1	5
6.	Conductivity	µS/cm	157	APHA 22 <sup>nd</sup> Edition 2012 2510 B (Pg No. 2-54)	-	-
7.	Total Dissolved Solids	mg/L	162	APHA 22 <sup>nd</sup> Edition 2012 2540 B (Pg No. 2-65)	500	2000
8.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	75	APHA 22 <sup>nd</sup> Edition 2320 B (Pg No. 2-35)	200	600
9.	Total Hardness as CaCO <sub>3</sub>	mg/L	159	APHA 22 <sup>nd</sup> Edition 2012 2340 C (Pg No. 2-46)	200	600
10.	Calcium as Ca	mg/L	52	APHA 22 <sup>nd</sup> Edition 2012 3500 Ca B (Pg No. 3-84)	75	200
11.	Magnesium as Mg	mg/L	66	APHA 22 <sup>nd</sup> Edition 2012 3500 B-Mg By Calculation	30	100
12.	Chloride as Cl	mg/L	19.2	APHA 22 <sup>nd</sup> Edition 2012 4500 Cl (Pg No. 4-72)	250	1000
13.	Sulphate as SO <sub>4</sub>	mg/L	97	APHA 22 <sup>nd</sup> Edition 2012 4500 SO <sub>4</sub> 2 – E (Pg No. 4-190)	200	400
14.	Nitrates as NO <sub>3</sub>	mg/L	8.9	APHA 23 <sup>rd</sup> Edition - 4500 NO <sub>3</sub> – E (Pg No. 4-131 to 4-132)	45	NR
14.	Nitrate Nitrogen as NO <sub>3</sub>	mg/L	23	APHA 22 <sup>nd</sup> Edition 2012 4500 NO <sub>3</sub> E (Pg No. 4-125 to 4-127)	45	No relaxation

- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

#### Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



## GLOBAL Environment & Mining Services

( Consulting Engineers, Mine designers, Geologist & Surveyors )  
 3<sup>rd</sup> Main Road, Basaveswara Badavane,  
**HOSPET – 583201**, Dist. Bellary (Karnataka)  
 Ph : +91 8394 229433 & 2950 18  
 e-mail : gems\_hpt@yahoo.com,  
 Website : www.globalmining.in



ULR-TC532321000000763F

15.	Fluoride as F	mg/L	0.72	APHA 23 <sup>rd</sup> Edition 2017 4500 F-D (Pg No. 4-90 to 4-91)	1.0	1.5
16.	Iron as Fe	mg/L	0.29	APHA 23 <sup>rd</sup> Edition – 3500 Fe-B (Pg No. 3-80 to 3-82)	0.3	NR
17.	Sodium as Na	mg/L	10.1	APHA 23 <sup>rd</sup> Edition 2017 Na 3500 B (Pg No. 3-99 to 3-100)	-	-
18.	Potassium as K	mg/L	0.75	APHA 23 <sup>rd</sup> Edition 3500 K B (Pg No. 3-89 to 3-90)	-	-
19.	BOD 3 days at 27° C	mg/L	NIL	IS:3025 (P.44) – 1993 , RA-2014,	-	-
20.	COD as O2	mg/L	NIL	APHA 23 <sup>rd</sup> Edition 5220 C (Pg No. 5-18 to 5-19)	-	-
21.	Oil & Grease	mg/L	NIL	APHA 23 <sup>rd</sup> Edition 5520 B (Pg No.5-41 to 5-42)	0.5	NR
22.	Cadmium as Cd*	mg/L	<0.001	APHA 23 <sup>rd</sup> Edition-3111 –B (Pg No.3-20 to 3-21)	0.003	NR
23.	Copper as Cu	mg/L	<0.001	APHA-23 <sup>rd</sup> Edition 3111-B (Pg No.3-20 to 3-21)	0.02	1.5
24.	Nickel as Ni	mg/L	<0.001	APHA-23 <sup>rd</sup> Edition-3111 –B (Pg No. 3-20 to 3-21)	0.02	NR
25.	Zinc as Zn	mg/L	<0.1	APHA-23 <sup>rd</sup> Edition-3111-B (Pg No. 3-20 to 3-21)	5	15
26.	Salinity*	PPT	NIL	APHA-23 <sup>rd</sup> Edition-3111-B (Pg No. 3-20 to 3-21)	-	-
27.	Total Phosphorous	mg/L	<0.01	APHA-23 <sup>rd</sup> Edition 4500-D (Pg No. 4-154)	-	-
28.	Total Coliforms*	MPN/ 100ml	Ab	APHA 22 <sup>nd</sup> Edition 9222 B (Pg No.9-78)	-	-
29.	Feecal Coliforms	MPN/ 100ml	Ab	APHA 22 <sup>nd</sup> Edition 9222 D (Pg No.9-85)	-	-
30.	Phyto Plankton*	Unit/L	Ab	APHA 23 <sup>rd</sup> Edition 10200 F (Pg No.10-17)	-	-

Note: BDL Below Detectable Limit

Ag: Agreeable  
 NR: No Relaxation  
 RA: reaffirmed  
 Ab: Absent

**\*\*End of report\*\***

*J. M. Te*  
**Analyzed By**  
 Chemist

12K2  
**Authorized Signatory**  
 Technical Manager

- Approved by NABL & Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

### Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 15Days, Minerals 3 Months, Filter papers & Thimbles 7 Days and ILC samples from the date of issue of Month test certificate unless otherwise specified.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.



SCHOOL GIRLS TOILET( 1 UNIT) DETAILED ESTIMATE								
sl.no	description	NO	L	B	D	CF	Quantity	remark
1	clearing grass and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.							
	site clearing	1	5	5			25	
		say 25.00 sqm @RS 4.78/Sqm					119.5	
2	earthwork in excavation by mechanical means ( hydraulic excavator)/ manual means in foundation trenches or drains ( not exceeding 1.5m in width or 10 sqm on plan). Including dressing of sides and ramming of bottoms , lift upto 1.5m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50m . all							
	foundation	1	6.96	0.6			4.176	
		TOTAL					4.176	
		say 4.176cum @RS 218.08/cum					910.702	
3	Dry stone masonry for retaining walls and foundation							
	FOUNDATION	1	6.96	0.6			4.176	
	BASEMENT	1	6.96	0.45			3.132	
	step	2	1	0.3			0.6	
		TOTAL					7.908	
		say 7.908cum @RS 2757.6/cum					21807.1	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)							
	FLOOR	1	1.2	1.8	0.1		0.216	
		TOTAL QUANTITY					0.216	
		say .216cum @RS 6944.65/cum					1500	
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1.5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)							
	PLINTH BEAM	1	6.96	0.24	0.4		0.66816	
		TOTAL QUANTITY					0.66816	
		say .668cum @RS 8289.33/cum					5537.27	

7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m							
	FILLING	1	1.2	1.8	0.35		0.756	
		TOTAL QUANTITY					0.756	
		say .756 cum @ RS 164.81/cum					124.59	
12	Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform							
		slab						
	ROOF	1	2.4	1.8			4.32	
		TOTAL QUANTITY					4.32	
		say 4.32 sqm @ Rs 553.47 / sqm					2390.99	
13	Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers							
		Lintel						
	LINTEL	1	0.9		0.24		0.216	
		TOTAL QUANTITY					0.216	
		say .216 sqm @ Rs 449.40/ sqm					97	
	Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 <sup>0</sup> landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).							
	roof	1	2.4	1.8	0.12		0.518	
	lintel	1	1.2	0.24	0.24		0.07	
		TOTAL QUANTITY					0.588	
		say .588 cum @ Rs 9686/cum					5695.36	
14	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars							
	REINFORCEMENT	1				70	70	
		TOTAL QUANTITY					70	
		say 70kg @ Rs87.57/kg					6129.9	
15	Solid block masonry using pre cast solid blocks ( Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 Part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 ( 1 cement : 6 coarse sand) etc complete							



		GF						
	HORIZONTAL	1	6.96	0.24	2.1		3.50784	
		DEDUCTIONS						
	DOOR D1	1	0.9	0.24	2.1	-1	-0.4536	
		TOTAL QUANTITY					3.05424	
		say 3.054 cum @ Rs 7029.750/cum					<b>21468.9</b>	
<b>16</b>	6 mm cement plaster of mix: 1:3 ( 1 cement : 3 fine sand)							
		ceiling						
	CELING	1	1.8	1.2			2.16	
		TOTAL QUANTITY					2.16	
		Say 2.16 sqm @ Rs 188.46/ sqm					<b>407.07</b>	
<b>17</b>	12 mm cement plaster finished with a floating coat of neat cement of mix: 1:3 ( 1 cement : 3 fine sand)							
	INSIDE	1	6	2.1			12.6	
	OUTSIDE	1	7.92	2.1			16.632	
		TOTAL QUANTITY					29.232	
		Say 29.232sqm @ Rs 297.24/ sqm					<b>8688.92</b>	
<b>18</b>	White washing with lime to give an even shade: New work (three or more coats)							
		OUTSIDE						
	OUTSIDE	1	7.92		2.1		16.632	
		INSIDE ROOM GF						
	INSIDE	1	6		2.1		12.6	
		DEDUCTIONS						
	DOOR D1	2	0.9		2.1	-1	-3.78	
		TOTAL QUANTITY					25.452	
		Say 25.452 sqm @ Rs 16.14/ sqm					<b>410.79</b>	
<b>19</b>	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications: Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm							
		OUTSIDE						
	OUTSIDE	1	7.92		2.1		16.632	
		INSIDE ROOM GF						
	INSIDE	1	6		2.1		12.6	
		DEDUCTIONS						
	DOOR D1	2	0.9		2.1	-1	-3.78	
		TOTAL QUANTITY					25.452	
		Say 25.452sqm @ Rs 117.959/ sqm					<b>3002.29</b>	

20	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory , Grey , Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.							
	FLOOR	1	1.8	1.2			2.16	
	WALL	1	6	1.5			9	
		TOTAL QUANTITY					11.16	
		Say 11.16 sqm @ Rs 902.15/ sqm					10068	
21	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces							
	door	1	0.9	2.1			1.89	
		TOTAL QUANTITY					1.89	
		Say 1.89 sqm@ Rs 3759.48/ sqm					7105.41	
22	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: W.C. pan with ISI marked black solid plastic seat and lid							
	WC	1					1	
		TOTAL QUANTITY					1	
		Say 1no@ Rs 4210/no					4210	
23	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps							
	WASH BASIN	1					1	
		TOTAL QUANTITY					1	
		Say 1no@ Rs 2799/no					2799	
24	Providing and fixing mirror of superior glass ( of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm							
	MIRROR	1					1	
		TOTAL QUANTITY					1	
		Say 1no@ Rs 892/no					892	



25	SOAK PIT		8000	
	PLUMPING		9000	
	ELECTRIFICATION		9000	
	LUMP SUM		6000	
	GRAND TOTAL		1,29,365	

  
 ACCREDITED ENGINEER  
 HONNEGA  
 Kottayam Gramapanchayat



  
 സെക്രട്ടറി  
 കോട്ടയം ഗ്രാമ പഞ്ചായത്ത്



**JUBILEE MISSION MEDICAL COLLEGE & RESEARCH  
INSTITUTE, THRISSUR - 5**

Bishop Alapatt Road, Jubilee Mission P.O., Thrissur East - 680 647  
Ph.No:0487 2432200, Email: jubileemission@jmmc.ac.in  
www.jubileemissionmedicalcollege.org



**DEPARTMENT OF DERMATOLOGY**

**DISCHARGE SUMMARY**

Name: SANDHYA	Age:32	Sex: F	Hosp. No: S928647
Ward/Bed:SPW			Unit :DERMATOLOGY
Date of Admission:11/2/2020			Date of Discharge: 17/2/2020

**FINAL DIAGNOSIS:SUBACUTE LUPUS ERYTHEMATOSIS**

**HISTORY:** Patient presented with erythematous scaly lesions over palms, arms, elbows, ears and legs since last 1 year associated with severe itching. Oral ulcers also present since last 1 month. She also c/o high grade fever with chills and rigors for past 2 days. H/o weight loss (+)

**PAST HISTORY:** Nothing significant

**GENERAL PHYSICAL EXAMINATION**

Conscious and oriented

Erythematous scaly lesions over palm, both arms, elbows, ears and leg

Facial edema (+)

No Pallor, Icterus, Cyanosis, Clubbing, Lymphadenopathy

Pulse:84 /min, BP. 110 /60 mm Hg.

**SYSTEMIC EXAMINATION**

CVS: S1, S2 +

Resp: clear. NVBS

CNS: NO FND

GIT: tenderness + over surgical site, BS+

**INVESTIGATIONS:**

Blood investigations- attached

Contrast esophagogram (14/2/2020): no evidence of mucosal irregularity/luminal narrowing/hold up/extra luminal compression detected

ANA profile (15/2/2020): STRONG POSITIVE FOR rnp/sM +++, positive for Sm ++

Ribosomal P Protein ++, nucleosomes ++, ds DNA+ and Histones +, control bands +++

**COURSE IN THE HOSPITAL -**

Patient presented with erythematous scaly lesions over palms, arms, elbows, ears and legs since last 1 year associated with severe itching. Oral ulcers also present since last 1 month. She also c/o high grade fever with chills and rigors for past 2 days. H/o weight loss (+). On examination vitals were stable, Erythematous scaly lesions over palm, both arms, elbows, ears and leg; Facial edema (+). Gastroenterology consultation was sought and Contrast esophagogram (14/2/2020) showed no evidence of mucosal irregularity/luminal narrowing/hold up/extra luminal compression detected. Medicine consultation was kept and orders followed. ANA profile (15/2/2020): strong positive for RNP /sM +++, positive for Sm ++ Ribosomal P Protein



Pay DIVYARAM MEDICAL AND RESEARCH INSTITUTE PVT LTD. OR ORDER / या उनके आदेश पर

रुपये Rupees One Lakh rupees only.

अदा करें

₹ 100000/-

A/C NO. 921020003873333

CASEL 000460

For PPK GRANITE AND CRUSHER PRODUCTS PRIVATE LIMITED

Authorised Signatory(ies)  
Please sign above

Payable at par at all branches of Axis Bank Ltd in India.

⑈004819⑈ 695211015⑈ 000460⑈ 29

Pay SANOHYA

OR ORDER / या उनके आदेश पर

रुपये Rupees Two Thousand Rupees Only.

अदा करें

₹ 2000/-

A/C NO. 921020003873333

CASEL 000460

For PPK GRANITE AND CRUSHER PRODUCTS PRIVATE LIMITED

Authorised Signatory(ies)  
Please sign above

Payable at par at all branches of Axis Bank Ltd in India.

⑈004857⑈ 695211015⑈ 000460⑈ 29

Pay PRANAV

OR ORDER / या उनके आदेश पर

रुपये Rupees One lakh twenty nine thousand

अदा करें

₹ 129000/-

A/C NO. 921020003873333

CASEL 000460

For PPK GRANITE AND CRUSHER PRODUCTS PRIVATE LIMITED

Authorised Signatory(ies)  
Please sign above

Payable at par at all branches of Axis Bank Ltd in India.

⑈004856⑈ 695211015⑈ 000460⑈ 29



# Atreya

HOSPITAL  
WILHELMSTRASSE 111

East Fort-Guruvayoor Road, Near Pipeline junction,  
Thrissur-680005  
Tel: 0487-0027766 / 01-6387650030  
Email: info@atreyahospital.co.in  
GSTIN: 32AA0004718H1ZV

## Provisional Bill

(Original Copy)

IP #	: 021-000	Bill #	: 475
MRD No	: 21-6744	Bill Date	: 20-Sep-2021 15:28
Patient	: N-SURESH, X.P	Adm. Date	: 12-Sep-2021 21:12
Ward	: ICU	Discharged Date	
Age / Sex	: 28 Yrs / M		
Doctor	: Dr. NARAYAN MOHAN K.S./MR. MOHAN		

Category Name	Amount
ROOM RENT	6050.00
ANESTHESIA CHARGES	2640.00
ASSISTANT CHARGE	8000.00
CONSULTING FEES	5400.00
CONSUMABLES	3364.25
LABORATORY	20390.00
MEDICINE	107753.00
( Medicine : 105653.00 Refm : 294.00 )	
OT CONSUMABLES	750.00
SURGEON FEES	171000.00
REHABILITATION	3300.00
RADIOLOGY	76400.00
PROCEDURE	7150.00
LINEN & LAUNDRY MANAGEMENT	1600.00
IMPLANT CHARGES	60000.00
COVID 19 RT-PCR	500.00
COVID	600.00
CLINICAL SUPPORT SERVICE	116100.00
BNM MANAGEMENT	1000.00
ANESTHETIST CHARGE	73300.00
Gross Amount	: 673569.29
Less Advance	: 774900.00
Net Amount	: 109569.00

Time : 02:28:17PM Prepared : SHIKKI BALAN

Printed : SHIKKI BALAN

Patient/Outpatient Signature

Doctor/Accountant