

QUARRY PROJECT OF
M/S. EVEREST STONE & GRANITES

RE-SURVEY NO. : 4 (P),
EXTENT : 4.90hectares
VILLAGE : ERUVESI
TALUK : THALIPARAMBU,
DISTRICT : KANNUR
STATE : KERALA

6th COMPLIANCE REPORT

Ref: EC. No: 83/2017 (File No: 709/SEIAA/KL/5786/2014)

DATED: 21/11/2017

FOR THE PERIOD
APRIL 2020 TO SEPTEMBER 2020

**GEC MINING SOLUTIONS,
THIRUVANANTHAPURAM
EMAIL : gecminingsolutions@gmail.com**



To,

The Director, DoECC & Secretary SEAC Kerala,
Devi Kripa, Pallimukku, Pettah P.O,
Thiruvananthapuram,
Kerala - 695 024.

Respected Sir,

Sub: Environmental Clearance - Quarry project in Survey Nos. 4(p) at Eruvessi Village, Eruvessi Panchayath, Thaliparambu Taluk, Kannur district, Kerala - Compliance report - Reg.

Ref: EC No: 83/2017 (File No. 709/SEIAA/KL/5786/2014) - DT 21-11-2017

Our quarry project was accorded with environmental clearance No. 83/2017 (File No. 709/SEIAA/KL/5786/2014) dated 21-11-2017. The compliance report to the specific and general conditions of the Environmental Clearance is enclosed herewith.

Thanking you

Yours respectfully,

**K.C James
(Managing Partner & Authorized signatory)**

Encl: As Above.

E-mail: reenairitty@rediffmail.com

Site: Eruvesi, Chempery, Kayalumpara P.O., Taliparamba, Kannur - 670 632

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I. ABOUT THE PROPONENT

Mr.K.C.James, Managing Partner & Authorized signatory of M/s Everest stone & Granites having correspondence office at MT-89-V-HighwayArcade, Kannur, Kerala - 670002.

State Environment Impact Assessment authority (SEIAA) accorded Environmental Clearance No: 83/2017 (File No: 709/SEIAA/KL/5786/2014) Dated: 21/11/2017 to the quarry project in Eruvessi Village, Thaliparambu Taluk, Kannur District, Kerala State, managed by Mr. K.C. James, Managing Partner & Authorized signatory of M/s Everest stone & Granites having correspondence office at MT-89-V-HighwayArcade, Kannur, Kerala - 670002.

II. ABOUT THE PROJECT

a. Project Category:

The project comes under the Category B2, Activity 1(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.

b. Project Location:

Survey No 4 (P) of Eruvessi Village, Thaliparambu Taluk, Kannur District, Kerala.

The proposed project site falls within latitude and longitude value:

Latitude (N)	12° 07' 23.2" N to 12° 07' 35.5" N
Longitude (E)	75° 34' 28.1" E to 75° 34' 36.7" E

c. Project Extent And Activity:

The project is for quarrying of 1,000 TPD of building stone from an area of 4.90 hectares of land located as specified above.

d. Project Description:

The project activity involves about 100 % of the pit area for exploring building stone. At the end of life of mine, excavated pit will be fully reclaimed and rehabilitated by plantation. The project does not involve any underground mining activities. The mining is done by open cast semi mechanized method.

III. REPORT OF COMPLIANCE

A. SPECIFIC CONDITIONS

ITEM NO	STIPULATIONS IN EC	STATUS OF COMPLIANCE
S-1	Fencing should be provided around the site.	The site will be fenced around with barbed wires.
S-2	The mining area should be clearly marked.	The mining area is clearly marked.
S-3	The debris and overburden seen in the area shall be stored at a designated site.	The debris and overburden seen in the area is stored at a designated site.
S-4	Drainage should be properly provided.	Drainage is provided. PLATE 11
S-5	If any plant species endemic to Western Ghats are noticed in the area they shall be properly protected in situ or by transplanting to an appropriate location inside the lease area	A separate plot is set apart for preserving rare plants in the vicinity.

B. GENERAL CONDITIONS

Item No	STIPULATIONS IN EC	STATUS OF COMPLIANCE
G-1	Rain Water Harvesting facility should be installed as per the prevailing Provisions of KMBR/KPBR, unless otherwise specified.	Would be provided.
G-2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	An Environment Monitoring Cell is constituted and made functional INDEX IV.c
G-3	Suitable avenue trees should be planted along either side of tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Avenue trees by way of natural vegetation are present along either side of the tarred road, both approach road and internal road. PLATE 2
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	The working of the quarry is only in day time. So we will arrange few solar devices in the office for general purpose.
G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprinklers are used in the project site to contain dust emissions. The haulage road is provided with stationary sprinklers also to avoid dust emission.
G-6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	It is assured that eco-restoration including the mine closure plan will be done at the own cost of the project proponent. ANNEXURE 1
G-7	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly. If, no other specific condition on reclamation of pit is stipulated in the E.C	At the time of the closure of the mine, it shall be ensured that the directions contained are scrupulously followed.
G-8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Activities towards Corporate Social Responsibility are being implemented. ANNEXURE 6
G-9	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.	The total mining area has been covered by barbed wire fencing to avoid inadvertent entry of human being and also for falling of animals etc.

G-10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per Stipulations of Explosive Department.	The warning alarms are provided and also the blasters assistant will check the surroundings of the blasting area before the blasting is started to prevent the entry of humans and animals to the blasting zone.
G-11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Scrupulously follows the directions contained.
G-12	Quarrying activities should be limited to day time as per KSPCB guidelines.	Quarrying activities is limited as per KPSCB guidelines.
G-13	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Scrupulously follows the directions contained. ANNEXURE 2
G-14	A licensed person should supervise/control the blasting operations	Scrupulously follows the directions contained. Licensed persons for supervising the blasting and other operations in the site are implemented.
G-15	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	The access road to the site is maintained well and sprinkled with water to avoid dust generation during transportation of minerals. PLATE 9 &13
G-16	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.	Overburden is stacked in pre-determined site specified for the purpose.
G-17	Height of benches should not exceed 5 m and width should not be less than 5 m if there is no mention is the mining plan/specific conditions.	Height of the bench is always maintained below 5m and width of the bench is kept at 10-15m for the easy movement of excavators and trucks. PLATE 4
G-18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Would be provided.
G-19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Maximum depth of the mining is limited as per the conditions.
G-20	Non mining operations should be carried out at places having a slope greater than 45°.	It is ensured that no mining is carried out at places having slope greater than 45°.
G-21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Acoustic enclosures are provided for the existing crusher unit as prescribed standards given by CPCB/KSPCB.
G-22	The workers on the site should be provided with the required protective	The workers on the site is would be provided with the required protective equipment such

	equipment such as ear muffs, helmet, etc.	as ear muffs, helmet, etc in the time of starting of work.
G-23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Drainage facility is provided in the site. PLATE 11
G-24	The transportation of minerals should be done in covered trucks to contain dust emissions.	The transportation of minerals are done in covered trucks.
G-25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Saplings are planted.
G-26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Disposal of spent oil from diesel engines is done under relevant Rules/Regulations.
G-27	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Explosives are stored in magazines in isolated place. PLATE 8
G-28	A Minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structure not being any facility for mining shall be provided.	Scrupulously follows the directions contained.
G-29	100 m buffer distance should be maintained from forest boundaries.	Statutory safe distance shall be maintained without fail.
G-30	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Consent issued from Kerala state pollution control board (file no: PCB/KNR/ICO/1965/2007 dated 06/12/2017 Valid up to 30/11/2020) ANNEXURE 3
G-31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	All the required statutory clearances have been obtained from the respective authorities. And all the copies are attached.
G-32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/ impacts as assessed, based on which only the EC is issued. The projects would require a fresh appraisal by this authority, for which the proponent shall apply and get the approval of this Authority.	The company shall abide by the directions of SEIAA Kerala in such a context. If arises.

G-33	<p>The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.</p>	<p>All the safeguard measures are done as per Environment (Protection) Act, 1986.</p>
G-34	<p>The stipulations by Statutory Authorities under different Acts and Notifications should be complied with including the provisions of Water(Prevention and Control of Pollution)Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.</p>	<p>Scrupulously follows the directions contained and is reviewed periodically by the management.</p> <p>ANNEXURE 3</p>
G-35	<p>The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper)shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority(SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org.The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation</p>	<p>Advertisement regarding the obtaining of EC were given in 2 local newspaper and submitted a copy of it as a proof in first compliance report.</p>
G-36	<p>A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayat/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.</p>	<p>Scrupulously follows the directions contained. Copy of the EC is submitted to the concerned panchayath.</p> <p>ANNEXURE 4</p>

G-37	<p>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 email) and upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website. It shall simultaneously be Sent to the respective Regional office of MoEF, Govt.of India and also to the State Environment Impact Assessment Authority (SEIAA) Office</p>	<p>Conditions are being complied with. This report is in compliance with submission of six monthly compliance reports.</p>
G-38	<p>The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry,visible to the public.</p>	<p>The conditions of Environmental Clearance are prominently displayed in a metallic board.</p> <p>PLATE 6</p>
G-39	<p>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.</p>	<p>The proponent has provided notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC has been scrupulously followed.</p> <p>ANNEXURE 5</p>
G-40	<p>No change in mining technology and scope of working should be made without prior approval of the SEIAA , No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.</p>	<p>Scrupulously follows the directions contained.</p>
G-41	<p>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.</p>	<p>Ensured that no natural water course and/or water resources were obstructed due to any mining operations.</p>
G-42	<p>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 &</p>	<p>We are scrupulously following the directions contained as per the conditions from Pollution Control Board.</p> <p>ANNEXURE 7</p>

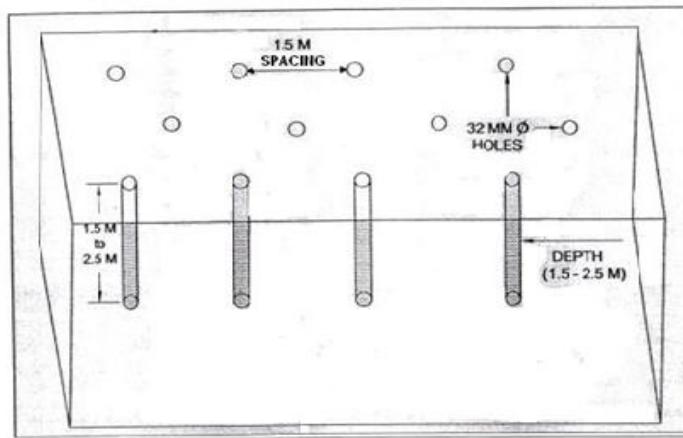
	transfer point to reduce fugitive emissions.	
G-43	<p>The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dumpsite(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.</p>	<p>The temporarily stored top soil only used for land reclamation and plantation process, and ensured that the maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps are scientifically vegetated with suitable native species to prevent erosion and surface runoff. The entire excavated area will be backfilled. Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining.</p> <p>PLATE 5</p>
G-44	<p>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 in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green development etc. The drains shall be regularly de silted particularly after monsoon and maintained properly.</p>	<p>Catch drains and siltation ponds of appropriate size will be constructed around the mineral dumps. The water so collected will be used according to the directions of SEIAA. PLATE 11</p>
G-45	<p>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.</p>	<p>Scrupulously follows the directions contained and ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>
G-46	<p>Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained</p>	<p>There is a regular control on dust emission sources. Water spraying arrangements are properly maintained.</p>

G-47	Measures should be taken for control of noise levels below 85dBA in the work environment.	Measures have been taken for the control of noise levels below 85 DbA in the work environment.
G-48	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who will report directly to the Head of the Organization. INDEX.IV.c
G-49	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.	The funds earmarked for environmental protection measures and CSR activities are being kept in separate account and have not been diverted for other purposes. Year wise expenditure will be reported to the State Environment Impact Assessment Authority (SEIAA) office. ANNEXURE 6
G-50	The Regional office of MOEF &CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports.	The Regional office of MOEF &CC located at Bangalore can monitor compliance of the stipulated conditions any time. The project authorities will extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
G-51	Any appeal against this Environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	There is no appeal against EC and we are strictly following the rules and Scrupulously follows the directions contained.
G-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 the provisions of Environment (Protection) Act, 1986	Strictly follow the rules, if any factual data is concealed or false/fabricated data is submitted and failure to comply with any of the conditions mentioned above is found.
G-53	The SEIAA 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 SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	SEIAA can revoke any order if any of the specific or this implementation of any of the above conditions is not satisfactory.

G-54	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.	Yes, all the above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.
G-55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.	Yes, this order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.
G-56	The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	Yes, the Environmental Clearance is subjected to the final order of the courts in any pending litigation related to the land or project, in any court of law.
G-57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining operation has been restricted to above ground water table and it will not intersect ground water table.
G-58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	Scrupulously follows the directions contained.
G-59	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.	Scrupulously follows the directions contained.
G-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.	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 will be carried out and reported in the six monthly reports to SEIAA .
G-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.	Occupational health surveillance program of the workers will be done periodically to observe any contractions due to exposure to dust and corrective measures will be taken, if needed.

IV.a. DRILLING

The excavation of mineral is proposed by excavators. The mineral is fractured and easily exploitable by rock breakers and excavators. The hard strata are proposed to excavate after drilling and blasting. The cross-sectional view of drilling operations is shown below:-



Salient features of drilling

- About 30 to 50 holes per blast of 32 mm dia and to a depth of 2 to 2.5m will be adopted.
- It is estimated about 2 to 3 T production per hole.
- Number of blasts per day depends upon the workable area and production to be achieved.
- The spacing of 1.0 to 1.5m between the holes will be adopted.
- About 250g per hole of explosive will be used. However, 10 kg/blast will be adopted at any point of time.
- Millisecond electric blasting will be adopted to limit the PPV and Noise levels within the stipulated standards.

IV.b. BLASTING

The controlled blasting is proposed by adopting all the safety measures as per “MMR 1961” and with the permission of DGMS.

In this area for fragmentation of granite the blasting will be conducted. Multiple blast holes of 1.0 to 1.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.

It is estimated about 250 g of explosives per hole is required. About 30 – 50 holes per blast are proposed. Therefore, the requirement of explosives will be about 10 kg/ blast.

2.6.6.1 BLASTING SAFEGUARD

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

IV.c. DETAILS OF ENVIRONMENTAL MONITORING CELL

An environmental monitoring cell was formed with Mr. K.C. James head of the monitoring cell and made functional. Meeting of monitoring cell is arranged monthly and discuss the status of the compliance of the specific and general conditions contained in the Environmental clearance order. The details of the monitoring cell members are given below:-

Sl. No.	Post	Name
1	Head of the monitoring cell	Mr.K.C.James (Managing Partner)
2	Head in charge (Environment)	Mr. Fedrine Jose
3	Senior Environmental Officer	Mr. Benny
4	Environmental Officer	Mr. Toby
5	Name of the environmental officer in charge	Mr. Santhosh
6	Name of the officer Environment, Health and safety	Mr. Linto
7	Name of the Assistant Officer of Environment,Health and safety	Mr.Rince
8	Name of the environmental consultant	GEC Mining Solutions

IV.d. LIST OF TREES IN THE QUARRY SITE

Natural vegetation including trees, shrubs and herbs present in the quarry site are mentioned in the table below:-

Sl No.	Scientific Name	Common Name	Family
1	<i>Heveabrasiliensis</i>	Rubber	Euphorbiaceae
2	<i>Magniferaindica</i>	Mango tree	Anacardiaceae
3	<i>Macarangapeltata</i>	Vatta	Euphorbiaceae
4	<i>Cocosnucifera</i>	Coconut Tree	Arecaceae
5	<i>Borassusflabellifer</i>	Palm	Arecaceae

V. PLATES

Plate -1

Quarry Site



Plate -2

Photographs showing natural vegetation in the approach sides of roads



Plate -3

Photographs showing natural vegetation in the project area



Plate -4

Benches in the project area



Plate -5

Photograph showing Top soil Dump yard



Plate -6

Photograph showing details of the environmental clearance prominently displayed in a metallic board



Plate -7

Rest room for Workers



Plate -8

Explosive magazine



Plate -9

Tarred Road



Plate -10

Boundary Pillar



Plate -11

Drainage



Plate -12

Warning Sign Board



Plate -13

Concrete Road



ANNEXURE 1

**AFFIDAVIT FOR ECO-
RESTORATION**

भारतीय गैर न्यायिक



കേരളം കേരള KERALA

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24AA 187436

AFFIDAVIT

I, K.C James, Managing Partner and Authorized signatory of M/s Everest Stone Crusher & Granites, having its correspondence office at MT-89-V-Highway Arcade, Kannur, Kerala - 670 002, do hereby affirm and confirm as follows:-

1. That, I am running a Quarry Project in Survey Nos. 4(p) at Eruvessi Village, Eruvessi Panchayath, Thaliparambu Taluk, Kannur district, Kerala.
2. That, the eco-restoration including the mine closure plan will be done at our expenses.



12/12/18
ROOPESH. M. P.
ADVOCATE & NOTARY
KANNUR

DEPONENT



തിരുമ്പി. 11-12-18 ക മും
സംശയ താലൂക്ക് ആഫീസ് ആക്ടിംഗ്
ബഹാദുർ കെ.പി. ഇഫീസ്

भारतीय गैर न्यायिक



केरल केरल KERALA

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Verification:

Verified that my above statements are true to the best of my knowledge and belief and no material has been concealed therein.



Date: 11/12/2018

DEPONENT

Literate deponent / Executant solemnly affirm and signed
this before me on this 12th day of Dec 2018
entered in volume No. 15, Page No. 15, Serial No. 3453
in Kannur

107000 K.C. James Managing Partner Everest
Stone Crusher & Granites Kannur.



मात्रम् 11-12-18 का 100
केरल कालांडर अधिकार सुनियोजन
मार्गमाल के.पी. अमाली

35

ANNEXURE 2

EXPLOSIVE LICENSE

अनुज्ञित प्ररूप एल.ई.-3 | LICENCE FORM LE-3

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

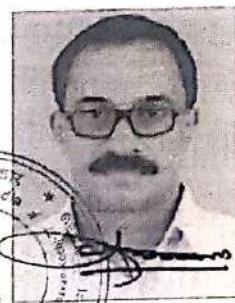
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

(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 अनुज्ञित

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

अनुज्ञित सं. (Licence No.) : E/SC/KL/22/1226(E45033)

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



1. Licence is hereby granted to

Shri K.C.James Managing Partner (अधिभोगी) / Occupier : Shri K.C.James, Managing Partner,
M/s. Everest Stone Crusher & Granites, MT-89-V, Highway Arcade, Thana, Kunnur, Town/Village -
Thana, District-KANNUR, State-Kerala, Pincode - 670002

को अनुज्ञित अनुदत्त की जाती है।

2. अनुज्ञितधारी की प्रास्थिति | Status of licensee : Partnership Firm

3. अनुज्ञित निम्नलिखित प्रयोजनों के लिए possess for use of Nitrate mixture - Slurry and Emulsion
विधिमान्य है। : Explosives, Safety Fuse, Electric Detonators, Ordinary
Licence is valid only for the following purpose. Detonator, - के उपयोग के लिए

4. अनुज्ञित 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. 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 - Slurry and Emulsion Explosives	2,0	0	100 Kg.
2.	Safety Fuse	6,1	0	2000 Mtrs
3.	Electric Detonators	6,3	0	1500 Nos.
4.	Ordinary Detonator	6,3	0	1500 Nos.

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

: 10 times

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

(b) and (c) :

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञित परिसर की पुष्टि रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1226 होती है।

: (E45033)

The licensed premises shall conform to the following drawing : दिनांक (Dated) 11/05/2011 (s):

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

Survey No(s). 4, ग्राम (Town/Village) : Eruvessy village, taliparamba, कालसूखाना (Police Station) : Kudiyamala जिला (District) : KANNUR राज्य (State) : Kerala पिनकोड (Pincode) : 670602 दूरभाष (Phone) : 9961660331 ई. मेल (E-Mail) : फैक्स (Fax) :

7. अनुज्ञित परिसर में निम्नलिखित सुविधाएं

अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

portable explosives magazine of D and E type
manufactured by thekkans engg and fabrication unit
cochin

8. अनुज्ञित समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबधों 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.

- 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.
- अनुजप्ति प्राधिकारी व्यारारा हस्ताक्षरित इस अनुजप्ति की शर्तें और अतिरिक्त शर्तें। Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्रूप DE-2 | Distance Form DE-2.

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

यह अनुजप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपर्युक्त इस अनुजप्ति की शर्तों का अधिक्रमण करने या यदि अनुजप्ति परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहित 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.

Sd/-

तारीख | The Date - 11/05/2011

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 10/10/2013

Transfers :

- Change in Licensee Name/Address/Status dated : 22/07/2013

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीनीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुजापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
29/03/2019	31/03/2024	Dy. Chief Controller of Explosives, Ernakulam कृते उप मुख्य विस्फोटक नियन्त्रक For Deputy Chief Controller of Explosives एरनाकुलम 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.

ANNEXURE 3

POLLUTION

CERTIFICATE



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KNR/ICO/1965/2007

Date of issue :2017-12-06

CONSENT VARIATION ORDER

Consent No : PCB/KNR/ICO-R/7/2016

Ref : 1. Consent no. PCB/KNR/ICO/205/2014 dated 16/05/2014

2. Consent no. PCB/KNR/ICO-R/7/2016 dated 06/01/2016

3. Your application dated 05/12/2017

The ' Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY EVEREST STONE CRUSHER & GRANITES, ERUVASSY, KAYALAMPARA P. O., KANNUR DT - 670632 is hereby modified & issued to M/s QUARRY OWNED BY EVEREST STONE CRUSHER & GRANITES, ERUVASSY, KAYALAMPARA P. O., KANNUR DT - 670632 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
1	1.12 ANNUAL FEE	Rs. 12000/-
2	1.13 FEE REMITTED	Rs. 36000/-
3	1.16 ACTIVITY	QUARRYING IN 4.9 HECTARES
4	1.1 VALIDITY	30/11/2020
5	1.14 CAPITAL INVESTMENT	74.61 LAKHS

II. CONDITIONS

2.2 This consent is valid upto 30/11/2020. For continuing to operate beyond the validity date application for the renewal has to be submitted through online (website: krocmmms.nic.in) before 31/08/2020.

3.2 Deleted

3.3 Deleted

4.1 Deleted

4.3 Deleted

4.4 Deleted

4.6 There shall be a minimum distance of 50 m from the boundary of the quarry to the nearest residence, places of worship, railway line, bridge, water body, public building and public road having vehicular traffic.

4.13 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: 2017.12.06 11:07:20 +05'30'

DATE :06/12/2017

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER



To

K. C. JAMES, MANAGING PARTNER, EVERST STONE CRUSHER & GRANITES, MT 89 V,
HIGHWAY ARCADE, KANNUR DT - 670002

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 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.

H3-11830/15

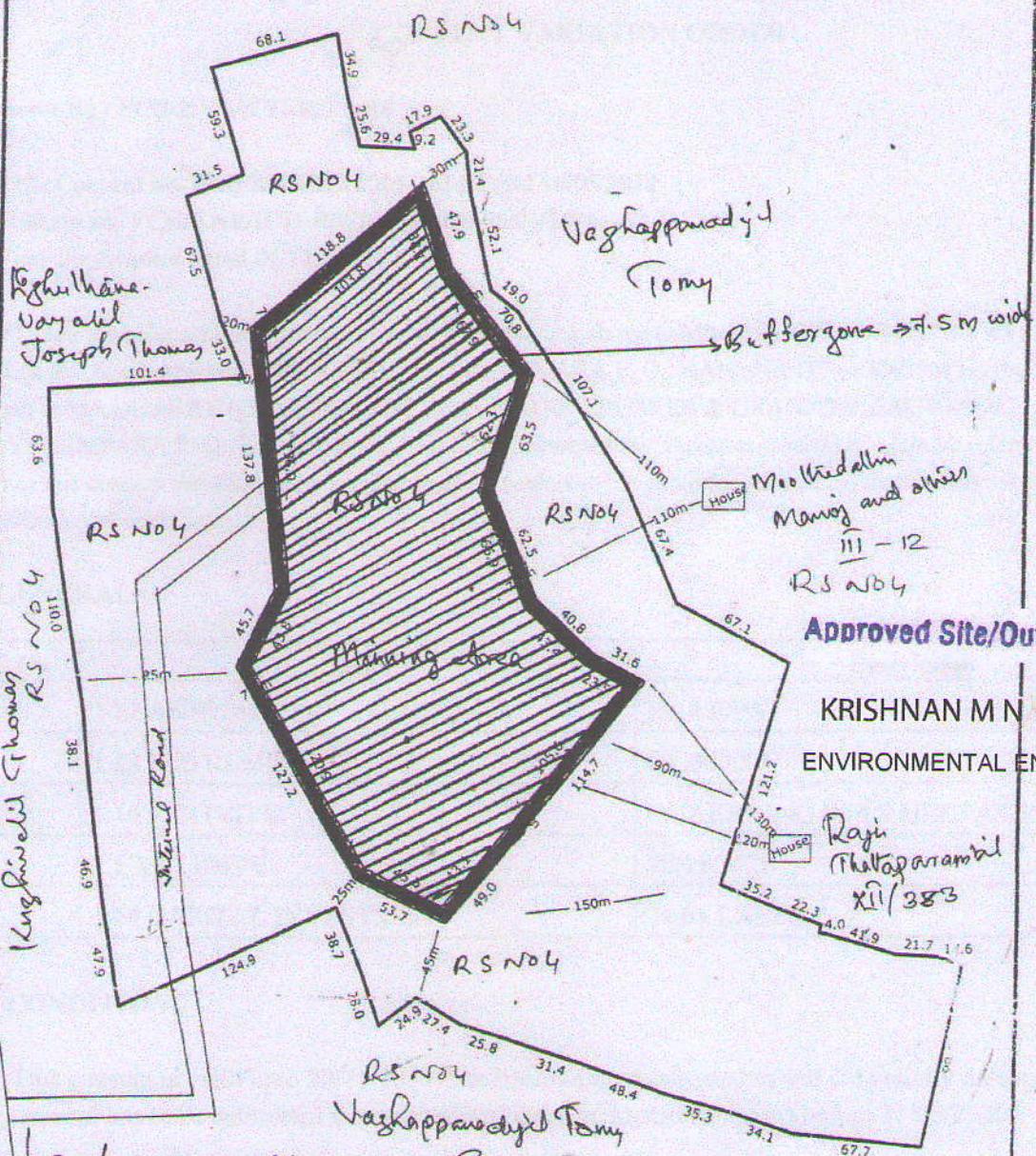
District : Kannur
Panchayat : Thaliparamb
Village : Kannur



Re. Sy. No. : 4 pt.
Total Area-13.454Hector

Mining Area: 4.9 Ha.
Scale : 1 cm = 24m

Vaghappandy Tony



OFFICER
JEWELLERY
P. O.
Kannur - 670 632



VILLAGE OFFICER
ERUVESY
Chempet P. O.
Kannur - 670 632

25 MAY

ADDL. TAHSILDAR

ANNEXURE 4

PANCHAYATH LICENSE



നമ്പർ: 205/2020-2021/B4/950/2020

തീയതി: 1/4/2020

എറുവേഴ്സി ഗ്രാമപഞ്ചായത്ത്

ചെമ്പേരി പി.ഒ., കണ്ണൂർ (ജില്ല)

പിന്: 670632, ഫോൺ: 4602212328, ഇ-മെയില്: thodiyorgp@gmail.com

വ്യവസായം, വാണിജ്യം, സംരക്ഷപരം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്

(കെ.പി.ആർ ആക്ക് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചടങ്ങ് 1996)

ലൈസൻസിയുടെപേര്	കെ സി ജയിൻസ്		
ലൈസൻസിയുടെ മേൽവിലാസം	മാനേജിംഗ് പാർക്കണ്ടർ, എറുവേഴ്സി റോഡ് കൗൺസിൽ & ഗ്രാമപഞ്ചായത്ത് MT-89V, ഹൈവേ ആർക്കേഡ്, കണ്ണൂർ		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	എറുവേഴ്സി റോഡ് കൗൺസിൽ & ഗ്രാമപഞ്ചായത്ത്, അരീകമല		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിക്കൽ വനനം		
വാർഷിക നമ്പർ/കെട്ടിട നമ്പർ	III/0		
ലൈസൻസ് കാലാവധി	1/4/2020	മുതൽ	31/03/2025 വരെ
	തുക	രസീത് നമ്പർ	തീയതി
ലൈസൻസ് ഫീസ്	25000/- രൂപ	911354100062	18/3/2020
മോട്ടാർ ഫീസ്	2500/- രൂപ	911354100062	18/3/2020
തൊഴിൽ നികുതി	2500/- രൂപ	911354100063	18/3/2020
ലൈസൻസ് അനുവദി-ക്കുന്നതിന് പാജരാക്കിയ റിരാക്ഷപ്പ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാര സ്ഥാപനം)	<ol style="list-style-type: none"> 1.കേരള സ്റ്റേറ്റ് പൊലുള്ളജന കൺട്രാർ ബോർഡ്-CONSENT NO:PCB/KNR/ICO-R-7/2016 DATED 06/12/2017,VALIDITY-30/11/2020 2.എറുവേഴ്സി റോഡ് കൗൺസിൽ ഓഫ് എക്സ്പ്രസ് ലൈസൻസ് പകർപ്പ് validity-31/3/2024 3.ലൈസൻസ് അനുവദിക്കുന്നതിനായി പാജരാക്കിയ മറ്റൊരു സ്വീകരിക്കുന്നതിനുള്ള റിരാക്ഷപ്പസാക്ഷ്യപത്രത്തിന്റെ കാലാവധി അവസാനിക്കുന്നതിനുമുമ്പ് ആയത് പുതുക്കിസമർപ്പിക്കാതെപക്ഷം പുതുക്കണം തീരുതിക്കു 		

ജൂൺ നാലുമാസം കൊണ്ടുപോകുന്നതാണ്.

സെക്രട്ടറി

ഓഫീസ് മുദ്ര

എറുവേഴ്സി ഗ്രാമപഞ്ചായത്ത്
PRASANNAKUMAR N.N

Secretary

Eruvessy Grama Panchayath
Chemperi P.O, Kannur-670632
Ph: 9496049056

ANNEXURE 5

**AFFIDAVIT FOR EC
CONDITIONS**



കേരളം കേരല KERALA

Page No. 1 _____
Total 2 _____ Pages

24AA 187434

I, K.C James, Managing Partner and Authorized signatory of M/s Everest Stone Crusher & Granites, having its correspondence office at MT-89-V-Highway Arcade, Kannur, Kerala - 670 002, do hereby affirm and confirm as follows:-

1. I am running a Quarry Project in Survey Nos. 4(p) at Eruvessi Village, Eruvessi Panchayath, Thaliparambu Taluk, Kannur district, Kerala.
2. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.



ROOPESH M. P
ADVOCATE & NOTARY
KANNUR

DEPONENT

106.997 K.C. James Managing Partner,
Everest Stone Crushers &
Granites.
11-12-18 a. 100 Kansas.



भारतीय गैर न्यायिक



കേരളം കേരള KERALA

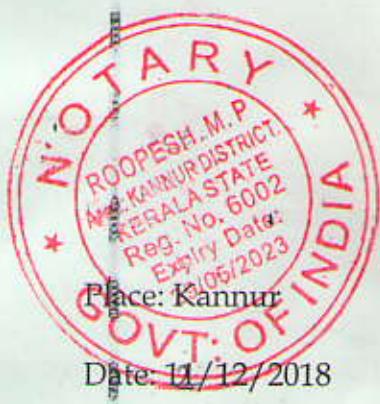
2

Page No. 2
Total 2 Pages

24AA 187435

Verification:

Verified that my above statements are true to the best of my knowledge and belief and no material has been concealed therein.



DEPONENT

Literate deponent / Executant solemnly affirm and signed
this before me on this 12th day of Dec 2018
entered in volume No. xxii Page No. 15 Serial No. 3452



10.6.998. സ്റ്റേറ്റ്. K.C. James Managing Partner,
Everest Stone Crushers-
Granites.
Kannur
സിറ്റി 11- 12/F കി. 100
മലബാറിൽ താഴുക്ക് ആഹാരം ആകട്ടണ
സാമ്പാദിക കെ.പി. മുഹമ്മദ്

B stamp on reverse

ANNEXURE 6

**CORPORATE SOCIAL
RESPONSIBILITY**



भारतीय स्टेट बैंक
State Bank Of India

[70894]-CHEMPERI
LOURDE MATHA SHOPPING COMPLEX
CHEMPERI POST
KANNUR 670632
Tel : 460 2212200 Fax : IFS Code : SBIN0070894 SWIFT :
SBININBBKANNUR

17 06 2020

PAY K.R. PRAKASH

को या उनके आदेश पर **OR ORDER**

अपनी RUPEES

TEN THOUSAND ONLY

兩漢

₹ 10,000/-

67233715111

VALID UPTO 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C

11151733276

PREFIX :
1515900000

EVEREST STONE CRUSHERS AND GRANITES

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

10 230725 670002934 000057 29

जारी करने वाले बँक
Issuing Branch: STATE BANK OF INDIA
कोड क्र. /CODE No: 70894
Tel No. 0460-2912200

मांगद्राफट
DEMAND DRAFT

Key: QUDBIQ
Sr. No: 475292

1 0 0 6 2 0 2 0
D D M M Y Y Y Y

9

या उनके आदेश पर

OR ORDER

6

5

4

3

2

1

मांग जानेवाले CMDRF

ON DEMAND PAY

रुपये RUPEES Fifty Thousand Only

अदा करें ₹ 50000.00

IOI 000507981627
Name of Applicant

Key: QUDBIQ Sr. No: 475292 AMOUNT BELOW 50001(5/5)
EVEREST STONE CRUSHERS AND GRA

मूल्य प्राप्त / VALUE RECEIVED

प्राधिकृत हस्ताक्षरकर्ता
AUTHORIZED SIGNATORY

ग्राम पंचायत
BRANCH MANAGER

भारतीय स्टेट बँक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: THIRUVANANTHAPURAM

कोड क्र. /CODE No: 00941

₹ 1,50,000/- एवं अधिक के लियाहात ये अधिकारियों द्वारा हस्ताक्षर किये गये।
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY OFFICERS
OF THE BANK

एवं इसका सुरक्षित होने पर ही वैध
VALID ONLY IF COMPUTER PRINTED

सेवा 1 महीने के लिया है
VALID FOR 1 MONTHS ONLY

11981627 00000 20001 00050716

9207240494



Lourde Hospital

Taliparamba, Kannur, Kerala-670 141, Inc

Tel: 0460 2200161-164 (5 Lines) 230111

Fax : 0460 2200775, E-mail : lourdehospital@gmail.co

For Appointments/Booking : 0460 230111

OUT PATIENT RECORD

Hospital ID : H20-29181

Name : VARKEY

Consultant : C. MATHAVI

MEDICINE Dr. PLACID SEBASTIAN

Dr. K.J.Devasia, MBBS, MD

Chief Physician

Dr. Charles S Manian, MBBS, MD, MRHS

PGDHS in Diabetology

Dr. Sabir C., MBBS, MD (Chest Physician)**Dr. Shabeer Fakruddin**, MBBS, MD

(General Medicine)

(Fellowship training in critical care medicine)
11.30 a.m. to 2 p.m.

CARDIOLOGY

Dr. Placid Sebastian, MBBS, MD, DM (Vellore)

(Mon-Fri : 8 am - 1 pm)

ORTHOPAEDICS

Dr. Vittaldas Pai B., MS (Ortho) D Ortho**Dr. Sandeep Shibli**, MS (Ortho) D Ortho

GENERAL & LAPAROSCOPIC SURGERY

Dr. Rajith Kishore, MBBS, MS, DNB, FMAS (WLH GURGAON)

OBSTETRICS & GYNAECOLOGY

Dr. Jojo George, MD**Dr. Pratheesh Rajendran**, MBBS, MS (Gynec) FRM**Dr. (Mrs) Nohal Haneef**, MBBS, MS (OBGY)**Dr. Harish K.S.**, MBBS

PAEDIATRICS & NEONATOLOGY

Dr. M.P. Subramanian, MBBS, DCH

UROLOGY

Dr. Sooraj Vijayan, MBBS, MS (General Surgery)

(Monday: from 3 p.m.) Mch (Urology)

NEPHROLOGY

Dr. Bijoy Antony, MBBS, MD (General Medicine)

(Tuesday: 8am-1pm, Thursday: 1pm-6pm)

DM (Nephrology)

NEUROLOGY

Dr. Sreejith Peediackal, MBBS, MD (Gen. Med.)

(Wednesday: 11am-2pm)

DM (Neurology)

ONCOLOGY

Dr. Sujithkumar M., MBBS, MD, DNB,

(Wednesday: 11 am-3pm) DM (Medical Oncology)

GASTRO ENTEROLOGY

Dr. Rathan Cyriac Joseph, MD, DM, (Gastro)

(Monday & Friday: 3 pm - 6 pm)

ENT

Dr. Sachin M.R., MBBS, MS (ENT)

DERMATOLOGY

Dr. Balasubrahmanyam Bhat N., MBBS, DDVL

PSYCHIATRY

Dr. Arun N., MBBS, MD (Psy)

(Monday - Saturday - 4pm-6pm)

ADIOLOGY

Dr. Sneha Mathew, MBBS, DMRD

ANAESTHESIOLOGY

Dr. K.P. Jayakrishnan Nambiar, MBBS, MD

ASUALTY MEDICAL OFFICER

Dr. K.P. Mohammed Kunhi, MBBS**Dr. Sanniya Meboob**, MBBS

*"6309"
volunteer no*

Date : 17/08/2020 Time : Category :

Age : 48 Y Sex : M House Name : KALAYANTHANATH
Place : P.O. : Valid upto: 29/08/2020

Clinical Findings 9207240494

Medication

Investigations

TOKEN : 51

BP-130/80

P-88b1

SP02-94%

INR 1.7

CHD- OS ASO

severe TR

mod to severe PAH

RV dysfunction

Global hypo

mod CR, mod MR

130/80

HR-88

Sat-94%

AC4/KR6

PTC/MA6

1.34

FW af 3mg x 5mg at day

TSildenafil 25mg 1-01

Tavistoxin 0.05 OD 5/4

Fexofenadine 10mg 1-01

Tazosolin 400 1-01

sewoflor 200 1-01

3/3

* അടുത്ത തവണ വരുമ്പോൾ ഈ ചീട് നിർബന്ധമായും കൊണ്ടുവരുമെന്തോണ്



30 32
Government Medical College Hospital Kannur
Pariyaram, Kannur, Kerala, India.
Phone 04972 808111 Email kchc@mcparyaram.com

OP CASE SHEET

MRNO	SHRP000006722	Date	02-07-20
Patient Name	Mr. VARKEY KALAYANTHANATH	Department	Cardiology
Age/Sex	65Yrs 2Mth 13Dys/MALE	Consultant	CARDIOLOGIST UNIT 2
Address	KALAYANTHANATH CHEMPERY Kannur	Consultation Type	REVISIT
Visit No	OP-020	Consultation Fee	
Mobile No	9207240494	Patient Type	General
Invoice No.	INV-A-SHRP-20017248	Old MRN	

81/1/2020-166

1.31

Mr. Varkey Kalayanthanath
1st Link

CHD
OS-ASD
Severe TR Mod IAT
AF & CVC

T- Warfarin 3mg 0.01 @ 6pm

T- Silverdene 2mg 1-01

T- Pigeon 0.67 1.00 (5/2)

T- Propranolol 10mg 1-00

T- Pantoprazole 40mg 1-01

He Senna 250mg 1-01

ANNEXURE 7

MONITORING REPORT



POLUCHEM LABORATORIES (P) LTD.

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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

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

ACCREDITED BY KSPCB AS "A" GRADE LABORATORY

TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/6196/2020
Mr.K.C.James Everest Stone & Granites Highway Arcade Kannur	Date of issue:	25/07/2020
	Date of monitoring	21/07/2020 10.00 Hrs to 22/07/2020 10.00 Hrs
	Date of sample received:	22/07/2020
	Date of analysis	24/07/2020
	Monitoring Location	Everest Stone & Granites Survey No.4 (p) Taluk : Thaliparambu Village : Eruvessi District : Kannur, Kerala
	Sample description	Ambient air -Near East side boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	IS 5182 Part 23 2006RA2012	51.2 $\mu\text{g}/\text{m}^3$	100 $\mu\text{g}/\text{m}^3$
02	Particulate Matter (PM _{2.5})	CPCB	30.2 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$
03	Sulphur dioxide	IS 5182 Part 2 2001 RA 2017	8.8 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	7.8 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

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

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

AUTHORIZED SIGNATORY

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.



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TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/RT/SD/6917/2020
Mr.K.C.James Everest Stone & Granites Highway Arcade Kannur	Date of issue:	25/07/2020
	Date of monitoring	21/07/2020 10.00 Hrs to 22/07/2020 10.00 Hrs
	Monitoring Location	Everest Stone & Granites Survey No.4 (p) Taluk : Thaliparambu Village : Eruvessi District : Kannur, Kerala
	Sample Description	Ambient Sound Level (Leq)
Monitoring Location	Time	Results
East side boundary	10.00 Hrs	49.7 dB (A)
	11.00 Hrs	48.5 dB (A)
	12.00 Hrs	46.3 dB (A)
	13.00 Hrs	45.3 dB (A)
	14.00 Hrs	44.2 dB (A)
	15.00 Hrs	40.1 dB (A)
	16.00 Hrs	39.8 dB (A)
	17.00 Hrs	38.5 dB (A)
	18.00 Hrs	35.2 dB (A)
	19.00 Hrs	34.6 dB (A)
	20.00 Hrs	33.6 dB (A)
	21.00 Hrs	34.5 dB (A)
	22.00 Hrs	36.5 dB (A)
	23.00 Hrs	38.4 dB (A)
	00.00 Hrs	39.4 dB (A)
	01.00 Hrs	38.6 dB (A)
	02.00 Hrs	37.4 dB (A)
	03.00 Hrs	39.8 dB (A)
	04.00 Hrs	41.2 dB (A)
	05.00 Hrs	42.3 dB (A)
	06.00 Hrs	43.6 dB (A)
	07.00 Hrs	44.5 dB (A)
	08.00 Hrs	46.2 dB (A)
	09.00 Hrs	48.7 dB (A)
Leq (Day time)		48.3 dB (A)
Leq (Night time)		34.4 dB (A)

*End of the Report *

For Poluchem Laboratories (P) Ltd.

Authorized Signatory

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QUALITY MANAGER
POLUCHEM LABORATORIES (P) LTD.



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TEST REPORT

Page 01 of 02

Ref.No. PL/RT/OW/6918/2020

Date of Issue: 25/07/2020

Name & address of customer

: Mr.K.C.James
Everest Stone & Granites
Highway Arcade
Kannur

Project Site

: Everest Stone & Granites
Survey No.4 (p)
Taluk : Thaliparambu
Village : Eruvessi

District : Kannur, Kerala

: Poluchem Laboratory Sample Collector

: Drinking Water

: Borewell water

: 21/07/2020

: 22/07/2020

: 25/07/2020

Sample drawn by

Sample description

Location of sampling

Date of sample collected

Date of analysis started

Date of completion of analysis

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	4 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	BDL	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.54	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	70 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	20.6 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	19.6 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	16.3 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	7.14 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	3.12 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.13 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	6.5 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l

Note : BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

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Continuation of Test Certificate No: 6078/2020

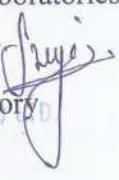
Parameters tested	Test method	Results	Acceptable Limits As per IS-10500-2012
Selenium as Se	IS 3025 (P)56 -2003 RA2014	BDL	0.01 mg/l
Arsenic as As	IS 3025(P) 37- 1988 RA2014	BDL	0.01 mg/l
Copper as Cu	IS 3025(P) 42- 1992 RA2014	BDL	0.05 mg/l
Manganese as Mn	IS 3025(P) 59- 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41- 1992 RA2014	BDL	0.003 mg/l
Chromium as Cr	IS 3025 (P)52 – 2003 RA2014	BDL	0.05 mg/l
Zinc as Zn	IS 3025 (P)49 – 1994 RA2014	BDL	5 mg/l
Mercury as Hg	IS 3025(P) 48 – 1994 RA2014	BDL	0.001 mg/l
Cyanide as CN	IS 3025(P)27-1986 RA2014	BDL	0.05 mg/l
Lead as Pb	IS 3025(P) 47- 1994 RA2014	BDL	0.01 mg/l
Aluminum as Al	IS 3025(P) 55- 2003 RA2014	BDL	0.03 mg/l
Boron as B	IS 3025(P) 57- 2005 RA2017	BDL	0.5 mg/l

Note : BDL = Below Detection Level

MICROBIOLOGY ANALYSIS

Parameters tested	Unit	Test method	Results	Acceptable Limit As per IS – 10500-2012
Coliforms	MPN/100ml	IS 1622: 1981 RA 2009	Absent	Absent
E coli	Present or Absent/100ml	IS 1622: 1981 RA 2009	Absent	Absent

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* End of the report*

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